

2 CA-CV 2023-0144

Department B

KARI LAKE v. KATIE HOBBS, et al.

Bench Trial Dates: May 17-19, 2023

County: Maricopa

Case Number: CV2022-095403

Honorable Peter Thompson

At Issue Number: 2023-04860

Plaintiff, Kari Lake

CV2022-095403

Court Transcript:

May 18, 2023 p.m.

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25

IN THE SUPERIOR COURT OF ARIZONA
IN AND FOR THE COUNTY OF MARICOPA

In the Matter re:)	
)	
Kari Lake,)	
)	
Contestant/Plaintiff,)	
)	
vs.)	CV2022-095403
)	
Katie Hobbs, personally as)	
Contestee and in her official)	
as the Secretary of State;)	
et al.,)	
)	
Defendants.)	
-----)	

Phoenix, Arizona
May 18, 2023 - AM

REPORTER'S TRANSCRIPT OF PROCEEDINGS
TRIAL (day 2)
BEFORE: THE HONORABLE PETER THOMPSON

REPORTED BY:
LUZ FRANCO, RMR, CRR
Certificate No. 50591

(Copy)

1 COUNSEL APPEARING:

2 OLSEN LAW, P.C.

3 By: Mr. Kurt Olsen (pro hac vice)

4 BLEHM LAW, PLLC

5 By: Mr. Bryan Blehm

6 Attorneys for Contestant/Plaintiff

7 PERKINS COIE LLP

8 By: Ms. Alexis E. Danneman

9 ELIAS LAW GROUP LLP

10 By: Ms. Elena Rodriguez Armenta

11 BURGESS LAW GROUP

12 By: Ms. Emily Craiger

13 SHERMAN & HOWARD LLC

14 By: Mr. Craig Morgan

15 Mr. Jake Rapp

16 Ms. Shayna Stuart

17 Maricopa County Attorney's Office

18 By: Mr. Thomas Liddy

19 Mr. Joseph LaRue

20 Ms. Karen Hartman-Tellez

21 Mr. Jack L. O'Connor

22 Ms. Rosa Aguilar

23 Attorneys for Defendants

1	I N D E X O F E X A M I N A T I O N	
2	<u>WITNESS</u>	<u>PAGE</u>
3	RAY VALENZUELA, Having been called on behalf of the	
4	Plaintiffs (Cont'g)	
5	Cont'g Direct Examination by Mr. Blehm	13
6	ERICH SPECKIN, Having been called on behalf of the	
7	Plaintiffs (Not Concl'd)	
8	Direct Examination by Mr. Olsen	54
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		

Phoenix, Arizona
May 18, 2023

(The following proceedings are had in open
court:)

THE COURT: All right. This is
CV2022-095403. This is Kari Lake versus Katie Hobbs, et
al.

And I will take appearances at the beginning
of the day.

MR. BLEHM: Good morning, Your Honor. Bryan
Blehm on behalf of Plaintiff Kari Lake.

THE COURT: Good morning.

MR. OLSEN: Good morning, Your Honor. Kurt
Olsen on behalf of Plaintiff Kari Lake.

THE COURT: Good morning.

MS. RODRIGUEZ ARMENTA: Good morning, Your
Honor. Elena Rodriguez Armenta for Governor Katie Hobbs.

THE COURT: Good morning.

MS. DANNEMAN: Alexis Danneman for Governor
Katie Hobbs.

MR. MORGAN: Good morning, Your Honor.
Craig Morgan from Sherman and Howard on behalf of the
Secretary of State. With me are my colleagues, Jake Rapp
and Shayna Stuart.

1 MR. LIDDY: Good morning, Your Honor.

2 Thomas Liddy on behalf of the County defendants from the
3 Maricopa County Attorney's Office.

4 MS. CRAIGER: Good morning, Your Honor.

5 Emily Craiger from the Burgess Law Group on behalf of the
6 Maricopa County defendants.

7 THE COURT: Thank you.

8 MR. LIDDY: With me this morning, Your
9 Honor, is Joe La Rue from the Maricopa County Attorney's
10 Office, Jack O'Connor, and Rosa Aguilar, all from MCAO.

11 THE COURT: Thank you very much. And good
12 morning to all of you.

13 All right. There was -- there was one
14 matter that I wanted to address with you at -- at sidebar,
15 but the easier way to do the sidebar is -- I think what we
16 did yesterday is just have the clerk have the headphones
17 on, and we'll pause the live stream proceeding for just a
18 second, and we'll excuse everybody from the courtroom,
19 except the attorneys and the parties, and then I'll
20 address that one issue, and then we'll move forward.
21 Okay? So if we could do that at this time.

22 (Whereupon said parties are excused from the
23 courtroom.)

24 THE COURT: Please have a seat.

25 Okay. Yesterday I gave you a homework

1 assignment to visit with your clients.

2 Is there -- what are your positions?

3 MR. BLEHM: Your Honor, Plaintiff Kari Lake.
4 We have absolutely no objection to the Court continuing
5 with this matter.

6 THE COURT: Thank you, Mr. Blehm.

7 MR. BLEHM: I have your written --

8 MR. OLSEN: Homework assignment.

9 MR. BLEHM: If we have to turn it in.

10 THE COURT: Hold on. Hold on just a second.
11 Go ahead. Have a seat.

12 Mr. Olsen, did you have anything to add or?

13 MR. OLSEN: No, Your Honor.

14 THE COURT: All right. Any of the
15 defendants -- or each of the defendants, I should say?

16 MS. RODRIGUEZ ARMENTA: Good morning again,
17 Your Honor. Governor Katie Hobbs has no objection to
18 proceeding before this Court.

19 Thank you.

20 THE COURT: Thank you.

21 MR. MORGAN: Secretary of State has no
22 objection, Your Honor. Thank you.

23 MR. LIDDY: Your Honor, I personally spoken
24 with the actual elected representative of Maricopa County
25 and the Recorder's Office, and they each indicated they

1 have the highest confidence in your ability to proceed
2 without any bias, so...

3 THE COURT: Thank you. Very well. All
4 right. I think I heard from everyone. Then I'll proceed.

5 My next question to you is this. Your jobs
6 are hard enough. If you want me to, I will seal this
7 portion of the discussion, which basically means that if
8 anybody wants any part of this, that they have to come
9 through me?

10 MR. BLEHM: We don't request that.

11 THE COURT: You don't care?

12 MR. BLEHM: No, Your Honor.

13 THE COURT: Defendants?

14 MR. MORGAN: We don't care, Your Honor.

15 From our perspective, this was more about alerting you to
16 what we alerted you to. So whatever you think needs to
17 happen is fine by us.

18 THE COURT: That's fine.

19 MR. LIDDY: Defer to you, Your Honor.

20 THE COURT: I prefer openness, but in
21 excessive of caution, I wanted to offer that to you.

22 I'm ready to proceed in this matter. Then
23 we'll bring everybody in, and we'll resume and get started
24 forthwith here.

25 MR. BLEHM: Do we need to turn this in? I

1 don't want to get an F, Your Honor.

2 THE COURT: I think that -- I never had that
3 feeling of being able to tear up my homework in front of
4 the teacher.

5 MR. BLEHM: That was a big thumb's up.
6 Thank you for that, Your Honor.

7 (Whereupon the parties re-enter the
8 courtroom.)

9 THE COURT: Okay. The Court's been advised
10 that there was an exhibit that the parties wish to add on
11 the record. I want to address this.

12 So who's going to do that?

13 MR. OLSEN: Yes, Your Honor.

14 Your Honor, last night, in preparation for
15 today's testimony, we realized that Exhibit 18, which is
16 the data chart drawn from Exhibit 20, the document data
17 that was produced by Maricopa County pursuant to the
18 public records act request, that it had printed out
19 two-sided, and it was only scanned one-sided.

20 Exhibit 18, as it currently stands, the
21 summary, the totals, which are the most significant aspect
22 of it, are in Exhibit 18.

23 But, Your Honor, we would request a -- and
24 we also notified defendants as soon as we learned about
25 this this morning. We would request to add the complete

1 exhibit numbered as Exhibit 47 now that we have prepared
2 for Your Honor.

3 THE COURT: Thank you.

4 And, counsel for the defense, you've had the
5 opportunity to inspect Exhibit 47?

6 MR. MORGAN: We had an opportunity to look
7 at it, Your Honor. I think our position generally is that
8 we're going to object to its admissibility, but for
9 purposes of this discussion, I don't know if we need to go
10 there.

11 THE COURT: We're not admitting it right
12 now.

13 MR. MORGAN: Right. So I don't think we
14 object to having it included to the exhibits for the
15 purposes of completeness, but I just wanted to make the
16 Court aware we are absolutely objecting to its
17 admissibility at the moment.

18 THE COURT: I'm not asking anybody to
19 stipulate to admissibility at this point. We're simply
20 correcting an administrative problem in that Exhibit 18
21 was copied two-sided, and we're -- we're now correcting it
22 to be Exhibit 47. Admissibility will be addressed at the
23 proper time.

24 MR. MORGAN: Yes. Thank you, Your Honor.

25 THE COURT: Okay.

1 MS. DANNEMAN: Your Honor?

2 THE COURT: Yes?

3 MS. DANNEMAN: The Governor does object to
4 the inclusion of this exhibit this morning that we
5 received. We didn't get it before when all the other
6 exhibits were due. We don't know what it is. So we would
7 like to state for the record --

8 THE COURT: That's why I asked if you've
9 inspected it. So, if you want to look at it to make sure,
10 that's -- the other codefendants apparently believe that
11 it's the same thing but not two-copy sided.

12 MS. DANNEMAN: Your Honor, I have no reason
13 to doubt -- to doubt that they're -- that they're not
14 being truthful about that, but it was late disclosed, and
15 we do object to the Court considering it in any form, but
16 that was just disclosed to the Court.

17 THE COURT: Okay.

18 MR. LIDDY: Your Honor, Maricopa County is
19 in a unique position because this document purportedly
20 came from Maricopa County. So we've had it.

21 Oh, I'm sorry. Was 18 one that --

22 MR. OLSEN: Eighteen was the data chart from
23 Exhibit 20, which came from Maricopa County.

24 MR. LIDDY: But 18 was the one that was
25 created by your witness?

1 MR. OLSEN: Correct.

2 MR. LIDDY: Okay. Pretend like I'm not even
3 here, Your Honor.

4 THE COURT: Okay. My only concern is, if
5 you want to look at it right now and compare it, I'll give
6 you the chance to do that because I'm being told it's a
7 technicality.

8 It's, basically, what was there before is
9 now being presented in different format with -- in other
10 words, one-sided copies versus two-sided copies. Nothing
11 has changed with regard to what's been previously
12 disclosed and marked. That's what's been represented to
13 me. If you're telling me that you haven't had the chance
14 to look at it, I'll let you look at it.

15 MS. DANNEMAN: My understanding, Your
16 Honor -- I apologize if I'm not stating this correctly --
17 is that the exhibit that was disclosed is every other page
18 of these -- of this chart, and now they have produced
19 every page of the chart.

20 If -- if that's the case, Your Honor, I
21 mean, I would still object. I don't know what these
22 numbers are. I assume there will be some testimony about
23 that, but you know, we didn't have this before.

24 THE COURT: Understood. And you're -- the
25 significance of the numbers of admissibility is something

1 that we'll address later, but this is -- I don't want to
2 belabor this, but it's -- it appears to me to be a form of
3 a substance kind of thing. So I'm hesitant to overrule an
4 objection and say it's -- it's not admitted, but it's a
5 procedural step.

6 Put it this way. I'm going to allow them to
7 mark it. It's going to be in the record. If you look
8 over things later on and then you've got a problem with
9 the difference between the two, you can raise that
10 objection at the time it's proposed for admission.

11 MS. DANNEMAN: I understand, Your Honor.

12 THE COURT: All right. I think we've dealt
13 with it.

14 Okay. Yesterday where we left off was we
15 had Mr. Valenzuela on the stand, and Mr. Blehm was
16 continuing with his direct examination of Mr. Valenzuela.

17 So, Mr. Valenzuela, sir, if you could please
18 come forward. You remain under oath. If you'll just go
19 ahead and have a seat up here to my right. There you are.

20 All right. Thank you.

21 All right. I believe he's situated. So,
22 Mr. Blehm, as soon as you're ready, you may continue.

23 MR. BLEHM: Thank you, Your Honor.

24

25 CONTINUING DIRECT EXAMINATION

1

2 BY MR. BLEHM:

3 Q. Good morning, Ray.

4 A. Good morning.

5 MR. BLEHM: I've got some documents here
6 we're trying to get up on the ELMO, and I'm using these as
7 demonstrative exhibits, Your Honor. They are simply video
8 clips of signature verification by MCTEC.

9 MR. MORGAN: Your Honor, object here.

10 Judge, I was aware of having been disclosed
11 the video we saw yesterday. I don't know what we're
12 looking at here. I heard him say "videos." I object to
13 using any of these videos in this proceeding.

14 THE COURT: Which exhibit?

15 MR. BLEHM: Your Honor, these are -- these
16 are not exhibits. These are clips from videos. If they
17 want, I can play the entire video clip. I'm simply trying
18 to conserve time by using these images.

19 I'm going to ask Mr. Valenzuela what they
20 depict and whether or not they appear to be an accurate
21 representation of the signature verification room inside
22 MCTEC.

23 THE COURT: Okay. But they're not marked as
24 exhibits, and you're not intending to offer them as --

25 MR. BLEHM: I have no intention of offering

1 them as exhibits, Your Honor. They're solely for
2 demonstrative purposes.

3 MR. MORGAN: Your Honor, I -- I disclosed
4 and marked for exhibits my impeachment exhibits because
5 that's what we were told to do. This is not fair. He
6 cannot use things we've not seen and spring it on us or
7 our witness in the middle of a hearing for trial. These
8 can't be used.

9 THE COURT: Okay. Mr. Liddy?

10 MR. LIDDY: I would join that, and also,
11 Your Honor, that this is not being used as a
12 demonstrative. It is being used as evidence while this
13 witness is on. It's not what a demonstrative is used for.

14 MS. DANNEMAN: The Governor would join in
15 the objections by the other defendants. This is not a
16 demonstrative. He is offering it as evidence.

17 THE COURT: Okay. Demonstrative exhibits,
18 as I understand them, would be exhibits that would be
19 offered to demonstrate how something happens. In other
20 words -- well, I don't want to give seminar on
21 demonstrative exhibits.

22 But included within that would be things
23 such as writing on a chart while our witness is
24 testifying, explaining a calculation on a chart or
25 explaining a process.

1 The previous clip that we used -- I don't
2 recall which exhibit it was. Somebody help me.

3 What was the exhibit that --

4 MR. LIDDY: Nineteen, Your Honor.

5 MR. BLEHM: Nineteen.

6 THE COURT: Nineteen. Thank you, all.

7 Exhibit 19 would serve the purpose of a
8 demonstrative exhibit that we used yesterday. This would
9 be cumulative in terms of demonstrative, and -- and it
10 hasn't been disclosed previously, and it's not marked as
11 an exhibit, so...

12 MR. BLEHM: Understood, Your Honor.

13 THE COURT: Is there something unique about
14 this clip that demonstrates something completely different
15 than we saw on Exhibit 19?

16 MR. LIDDY: Well, this is actually used to
17 refresh Ray's recollection, Your Honor. Yesterday counsel
18 for defendants made specific representations to this Court
19 regarding this signature verification employee.

20 Mr. Valenzuela testified before this Court
21 that this gentleman was incompetent with technology -- and
22 I'm paraphrasing -- and as a result of that, Your Honor,
23 he was removed from the line. All right? And transferred
24 to a new job.

25 These demonstrative exhibits I intend to use

1 to refresh Mr. Valenzuela and his recollection so that we
2 can more artfully discuss whether or not this individual
3 was removed from the line and whether they were aware of
4 his behavior during signature verification.

5 THE COURT: Okay. So what you're telling me
6 is it's impeachment evidence because refreshing
7 recollection, you have to have asked him a question first
8 for him to say, I either can or can't answer that.

9 MR. BLEHM: Okay.

10 THE COURT: But you'll also have to have
11 foundation within the question, because if it's going to
12 timestamp, if he has a statement, for instance, this
13 activity happened on this date, for -- well, for instance,
14 the person was removed on X date, it's impeachment as to
15 the memory or reference as when this person was removed.

16 MR. BLEHM: Understood.

17 THE COURT: And so if -- never mind.

18 We're going way beyond this. But it's the
19 cart before the horse, if you're using it for impeachment,
20 and what you're demonstrating is the impeachment.

21 So why don't you go ahead and ask the
22 questions you wish to ask him first, and then we'll
23 discuss what you can use it for related to impeachment.

24 BY MR. BLEHM:

25 Q. Ray, did you hear the witness testimony yesterday

1 stating that they were basically relieved of their
2 responsibilities on November 11, 2022, following the
3 general election?

4 MR. LIDDY: Objection, Your Honor.
5 Counsel's referring to opening statement by counsel, not
6 to any testimony that was put in evidence.

7 MR. BLEHM: I -- I believe the whistleblower
8 witnesses who testified believed that they were told they
9 were no longer needed as of November 11, 2022.

10 THE COURT: No. Wait. Just to be clear, if
11 you're going to impeach this witness, it has to be this
12 witness' statement. This is not going to be --

13 MR. BLEHM: I'm going to ask him about his
14 statement, Your Honor.

15 THE COURT: Well, that's what I want you to
16 do --

17 MR. BLEHM: Okay.

18 THE COURT: -- is ask him what his statement
19 is so that we can address possible impeachment, not
20 someone else's statement, either in opening or a different
21 witness.

22 BY MR. BLEHM:

23 Q. All right. Ray, do you recall when this
24 particular user that was depicted in the video yesterday
25 was relieved of his duties as a level I signature

1 verifier?

2 A. I do not.

3 Q. You do not.

4 Okay. Do you have any reason to believe it
5 was November 11?

6 A. I would not have that data to indicate.

7 Q. Do you have any reason to dispute that it was
8 November 11?

9 A. I have no reference material to know when he was
10 changed as far as job tasks.

11 Q. Okay. You just know his job was changed?

12 A. Correct.

13 Q. Okay. And he continued working for Maricopa
14 County; isn't that correct?

15 A. That is correct.

16 Q. In the elections department, correct?

17 A. Correct.

18 Q. In a different level of signature verification?

19 A. Not in a different level of signature
20 verification; in a different task such as curing, such as
21 special election boards. There are many tasks involved in
22 election process.

23 Q. Okay. What individuals would be responsible for
24 sitting in one of those little cubicles with green
25 affidavit envelopes, sorting them into two different

1 piles, and then walking them over to a little stand and
2 dropping them in a green and a red box?

3 MR. LIDDY: Objection as to form, Your
4 Honor. There's been no testimony about anybody in a
5 cubicle sorting green affidavit packets and moving them
6 anywhere. This is --

7 THE COURT: You could stop at form. It was
8 multi-faceted. If you can break it down --

9 MR. BLEHM: Okay.

10 THE COURT: -- Mr. Blehm.

11 BY MR. BLEHM:

12 Q. What task are they performing when they sit in
13 their cubicles in the possession of green affidavit
14 envelopes?

15 A. The physical green affidavit envelopes, then they
16 are either in the process of curing, meaning alphabetizing
17 those packets so that when a voter calls we can locate
18 them, and/or they are packets that we needed that fall
19 into a category of deceased, moved, all of those
20 different -- we categorize them into different trays to
21 identify them as such.

22 Q. Okay. And so what was the last day you had most
23 of the temporary workers close their business with respect
24 to signature verification?

25 A. With respect to signature --

1 MR. MORGAN: Objection, Your Honor.
2 Relevance.

3 THE COURT: I'll allow it. Go ahead.

4 THE WITNESS: As respect to signature
5 verification, we were completed by Friday, November 11th.
6 BY MR. BLEHM:

7 Q. By Friday November 11th?

8 A. Absolutely.

9 Q. Okay. And so it's entirely possible this
10 gentleman was still working in signature verification as
11 of November 11; isn't that correct?

12 A. More than likely not because, again, he was
13 reassigned a task. That last push would've been the very
14 last queue, if you will, so it wouldn't have been we're
15 done now, let's re-assign him. It would've been ahead of
16 that.

17 Q. Because of his performance?

18 A. I -- I don't say that it's because of his
19 performance. I indicated on -- a reason why many folks or
20 somebody could be moved out of a task, it could be
21 performance, it could be technical skill set, many other
22 things that could've lended [sic] to that.

23 Q. Okay. Are you aware that the video that is
24 Exhibit 19 has a date stamp of November 10?

25 A. I don't have the video in front of me, but I will

1 trust that that -- if it has a date stamp, that that date
2 would be accurate.

3 Q. Okay. And so if he's working on November 10 and
4 now you're testifying that he was reassigned because he,
5 you know, was somehow incompetent with either his skill
6 set or his performance, then was he really reassigned, or
7 is that you simply trying to cover yourself?

8 MR. MORGAN: Objection. Form.

9 MR. LIDDY: Form.

10 MS. DANNEMAN: And objection. Relevance,
11 Your Honor.

12 THE COURT: Okay.

13 MS. DANNEMAN: The issue is whether
14 signature verification was performed, not whether a
15 particular person was assigned at a particular time.

16 THE COURT: All right. I'll overrule on
17 relevance. I understand -- the form, although it's direct
18 examination, this is a witness who's party representative
19 of the other side. So I'll allow that it can be a leading
20 question.

21 The only issue is if -- Mr. Valenzuela, if
22 you understood the question and you can answer it, please
23 answer it. If you need it rephrased, you can ask it to be
24 rephrased. If you don't understand the question, please
25 do not guess.

1 So, Mr. Liddy?

2 MR. LIDDY: Your Honor, while formulating
3 the question, he accused our client of trying to deceive
4 the public to hide something that he did. That's
5 argumentative.

6 THE COURT: Okay.

7 MR. LIDDY: And I object to that.

8 THE COURT: All right.

9 MR. LIDDY: And unfounded.

10 THE COURT: Okay. Well, the unfounded part,
11 we'll wait for his answer and if he's able to answer the
12 question.

13 As to argumentative, I'd imagine most
14 everything that Mr. Blehm has is argumentative with regard
15 to this -- the State's position.

16 Mr. Valenzuela, I believe, is capable of
17 understanding the implications of the way the question is
18 phrased. Okay? Argumentative I reserve for -- I -- I
19 will protect witnesses from being badgered or from being
20 harassed, but if they -- if I feel that they're capable of
21 answering the question --

22 MR. LIDDY: Thank you, Your Honor. I
23 withdraw my objection.

24 THE COURT: That's fine.

25 Okay. Mr. Valenzuela, I'm sorry. It seems

1 like it's been minutes since you were asked a question. I
2 can have Mr. Blehm re-ask it, if you need to.

3 Would that be helpful?

4 THE WITNESS: If I can have the question
5 repeated.

6 THE COURT: Mr. Blehm, please re-ask your --
7 your question.

8 BY MR. BLEHM:

9 Q. Mr. Valenzuela, you testified that this gentleman
10 was reassigned, and you don't know why, so I will just
11 leave that, but had something to do with his performance,
12 whether skill-wise or -- or duty-wise that he was
13 reassigned.

14 Was that -- was that a way to simply protect
15 yourself and Maricopa County Elections Department in the
16 face of very negative evidence?

17 MR. MORGAN: Objection. Relevance.

18 MR. LIDDY: And form.

19 THE COURT: Okay. I'll let him -- I'll
20 overrule on relevance. And we've already gone over form.
21 So if you can answer, please answer.

22 THE WITNESS: So to the question, if I'm
23 looking to protect myself and the County by -- by -- I'm
24 not sure what we're protecting ourselves. So we re-assign
25 somebody to a task because potentially they didn't have a

1 skill set or the tool set, if you will that -- to apply.

2 I don't know how that's protecting ourselves or what

3 statement I made that would infer that.

4 BY MR. BLEHM:

5 Q. Okay. Have you -- have you provided this dataset

6 that's marked as Exhibit 20 to any media organizations

7 like ABC News and the Data Guru?

8 MR. MORGAN: Objection. Relevance.

9 THE COURT: I'll give you a little bit of

10 leeway. I'm not sure where this is going, but this is

11 pretty far removed from the issues.

12 Do you want him -- you want to know whether

13 they disclosed this to any media?

14 MR. BLEHM: Yes, Your Honor, and the main

15 reason for that is the Data Guru on ABC News last night

16 had --

17 THE COURT: Whoa, whoa, whoa, whoa. Hold

18 on. Hold on. Hold on. I'm not bringing in the news.

19 I'm not bringing in any kind of -- of media. We're going

20 to focus on this -- this courtroom. Okay? You can ask

21 him if he's aware of any other public records requests, if

22 you want to, by media, but that -- that --

23 BY MR. BLEHM:

24 Q. Mr. Valenzuela, are you aware of any public

25 records requests made by any members of the media with

1 respect to the dataset that's been marked as Exhibit 20?

2 THE COURT: That's a yes-or-no.

3 MR. LIDDY: Objection, Your Honor.

4 Relevance and foundation. The --

5 THE COURT: Well, that's why it is a

6 yes-or-no.

7 MR. LIDDY: Mr. Valenzuela is not the
8 custodian of records for Maricopa County.

9 THE COURT: Given that that's the truth,
10 I'll allow him to ask -- answer the question, if you're
11 able to, Mr. Valenzuela.

12 THE WITNESS: No, I'm not aware.

13 THE COURT: Okay. Thank you. Let's move
14 on.

15 BY MR. BLEHM:

16 Q. Are you aware at all if the dataset marked as
17 Exhibit 20 has been shared with any media outlets without
18 making a formal public records request?

19 MR. MORGAN: Objection. Relevance.

20 MR. LIDDY: Objection. Foundation. This
21 witness has not seen that exhibit, Your Honor.

22 MR. BLEHM: Exhibit 20 is admitted, Your
23 Honor. It's Maricopa County's data. He represents
24 Maricopa County and every employee within that department.

25 THE COURT: That's fine. But I'm not going

1 to hold any witness to photographic memory standards.

2 MS. CRAIGER: Your Honor, for clarification,
3 are you speaking about the dataset that Exhibit 20 --

4 MR. BLEHM: In Exhibit 20, the CD-ROM and
5 all the data contained therein.

6 MS. CRAIGER: Your Honor, I don't know how
7 he could possibly testify to that knowledge of the
8 entirety of Exhibit 20 AND the data -- the CD.

9 MR. BLEHM: I'm not asking him specifics
10 about the data, whether line 1,000,327 says X, Y, or Z,
11 Your Honor.

12 THE COURT: Okay.

13 MR. BLEHM: I'm simply asking if the
14 totality of that dataset has been provided to any media
15 outlets in the absence of a formal public records request.

16 THE COURT: Here's the issue. You can ask
17 him as a private individual or -- he's not here as the
18 custodian of record. He's not here to testify as to the
19 entire organization's responses with regards to public
20 records requests. I'm struggling mildly with relevance.

21 MR. BLEHM: Well, I'll simply say, Your
22 Honor, that he's -- he's the designated representative for
23 the Maricopa County Elections Department. He's here every
24 day representing the people of the elections department
25 and their work.

1 THE COURT: That may be true, but the apex
2 stuff -- this is not somebody -- this is like asking the
3 President of the United States about who stood guard last
4 night at the tomb of the unknown soldier.

5 I'm not -- I'm not going to infer that he
6 has photographic knowledge of everything. We're --
7 we're -- we're fast approaching -- well, put it this way.
8 I'm trying to be as lenient as possible with regard to
9 relevance, but now we're far afield of the issue in front
10 of the Court.

11 He's asked -- you've asked him one question
12 about whether he has any knowledge of the public records
13 request. He said no. If you want to ask him -- I'll let
14 you ask him one more question to the point of if he has
15 any knowledge of that information in that CD-ROM being
16 shared with somebody. This is his personal knowledge, not
17 the organization. Other than public records requests and
18 other than in this courtroom, you can ask him that.

19 MR. BLEHM: Understood, Your Honor.

20 BY MR. BLEHM:

21 Q. Ray, do you have any personal knowledge of anyone
22 sharing the contents of Exhibit 20 with anyone outside of
23 Maricopa County Elections Department in the absence of a
24 formal public records request?

25 A. As a representative of the Department, as soon as

1 a public records request is fulfilled, that becomes public
2 records for any and all, media and anybody else who
3 requests it. So -- but for this particular dataset, I
4 would not -- I'm not aware of another public records
5 request as I haven't been in the office. I've been in
6 court.

7 Q. Exhibit 21. You're -- you're aware of Exhibit
8 21; isn't that correct?

9 A. I am not. Not just by the number.

10 Q. It's a public records request.

11 MR. BLEHM: May I, Your Honor?

12 THE COURT: Yes.

13 BY MR. BLEHM:

14 Q. I'm handing you what's been marked as Exhibit 21.

15 And can you tell the Court if you are aware
16 of that public records request.

17 A. I am.

18 Q. Okay. Did you help fill that public records
19 request?

20 MR. MORGAN: Objection, Your Honor.
21 Relevance.

22 THE COURT: Give you some leeway. We're
23 going somewhere quick with this.

24 MR. BLEHM: We're going quick.

25 THE COURT: All right. I'll take your word

1 at it.

2 You can answer it, if you're able to,
3 Mr. Valenzuela.

4 THE WITNESS: So the question was, was --
5 did I assist? Yes, part and parcel to several elements of
6 this request, I assisted.

7 BY MR. BLEHM:

8 Q. Okay. So you actively assisted in the
9 fulfillment of this public records request?

10 A. That is correct.

11 MR. BLEHM: And I apologize, Your Honor. I
12 do not have the exhibit list in front of me.

13 THE COURT: When you're walking away and
14 talking, I can't hear you.

15 MR. BLEHM: Oh, I apologize, Your Honor.
16 I -- I'm looking -- okay. This has been admitted then,
17 correct? Okay. Then no need to offer for admission.

18 BY MR. BLEHM:

19 Q. Thank you, Mr. Valenzuela.

20 So your answer is you're completely unaware
21 then of any other disclosure of the documents you produced
22 in response to the Exhibit 21 records request?

23 A. As not being the custodian of records, I am not
24 aware.

25 Q. Do you have a formal custodian of records?

1 A. We do, indeed.

2 Q. When did that start?

3 MR. MORGAN: Objection. Relevance.

4 MR. BLEHM: Understood, Your Honor.

5 THE COURT: I'm going to sustain that.

6 We're --

7 BY MR. BLEHM:

8 Q. All right. Let's switch gears here a little bit.
9 Signature verification -- and -- and I don't believe you
10 specifically asked this -- answered this question
11 yesterday, but can it be done in employees' homes?

12 A. The review is part of having to be logged into
13 our network.

14 Q. Okay.

15 A. So it requires that that element of an individual
16 being onsite or at one of the Recorder's Offices at the
17 present.

18 Q. Okay. So there's no -- so it's not possible,
19 then what you're testifying, to log into your network to
20 conduct signature verification from home?

21 MR. LIDDY: Objection. Relevance, Your
22 Honor, to the extent that the question is formulated at
23 any information related to signature verification at any
24 time other than November of 2022.

25 THE COURT: This was discussed yesterday

1 with him, and I think the very question that you asked --

2 MR. BLEHM: Understood.

3 THE COURT: -- yesterday was asked and
4 answered.

5 MR. BLEHM: My -- my specific questions,
6 just to massage their concerns, are specifically related
7 to the general election of November 2022 and whether or
8 not Maricopa County employees -- because he has not
9 answered this question yet, Your Honor -- are able to log
10 in to the County network and conduct signature
11 verification from home.

12 MR. LIDDY: Objection, Your Honor.

13 THE COURT: Wait. Let me clarify to see if
14 I've understood.

15 You're asking him, is it possible for that
16 to happen?

17 MR. BLEHM: Yes.

18 THE COURT: Is that what you're asking?

19 MR. MORGAN: Objection, Your Honor. This is
20 relevance. He's talking about process. We aren't here
21 trying the process. We're trying whether the existing
22 process happened.

23 MR. BLEHM: I -- I'm not trying the process,
24 Your Honor. Our next witness will present a great deal of
25 evidence --

1 MR. MORGAN: Your Honor, he's testifying.

2 MR. BLEHM: I'm not testifying. I'm making
3 an argument.

4 THE COURT: Offer of proof.

5 MR. BLEHM: And protecting the record.

6 THE COURT: No. You're making an offer of
7 proof.

8 MR. BLEHM: Offer of proof.

9 Okay. Our next witness is going to present
10 testimony that a lot of what is taking place is simply
11 button clicking, button clicking, button clicking.

12 THE COURT: Uh-huh.

13 MR. BLEHM: We want to know if that is
14 taking place outside of the public's purview, Your Honor.

15 THE COURT: Uh-huh.

16 MR. BLEHM: That's what we want to know.
17 Because the law in Arizona --

18 THE COURT: And I thank you for your
19 clarification. He answered that yesterday, and I think
20 he -- you asked him if that was being done, and he said
21 no. You're asking today if it's possible for an employee
22 to log in from home to the computer system of the County.

23 MR. BLEHM: That's what I'm asking, Your
24 Honor, is it possible?

25 THE COURT: Not just that. That's poorly

1 phrased. You're asking him, is it possible for an
2 employee to log in from home and do signature verification
3 from home, not just log in to the general County's
4 website.

5 MR. BLEHM: Correct, Your Honor. To log in
6 and perform signature verifications from home.

7 THE COURT: Okay.

8 MR. BLEHM: It's a yes-or-a-no-question,
9 Your Honor.

10 THE COURT: I gathered that.
11 Go ahead and answer, Mr. Valenzuela.

12 THE WITNESS: If I may take a point of
13 privilege. It is -- we do have remote capabilities for
14 several of our staff admin, and I can log into my PC, but
15 it is not a set standard or protocol to do so for
16 signature verification.

17 BY MR. BLEHM:

18 Q. So, if I understand the response correctly,
19 Maricopa County employees can log into the County system
20 and perform signature verification from home, correct, yes
21 or a no?

22 A. As a protocol, not a standard. Could they --
23 could -- yes. Could the clouds cover the sky and make
24 systems go down? We could have a lot of that. But
25 technically, they could log in. Admin could log in to our

1 network.

2 Q. And conduct signature verification from home?

3 A. It's not a protocol that we have established for
4 that.

5 Q. Okay. Mr. Valenzuela, I'm just trying to make
6 sure the record is clear.

7 Yes-or-no-answer, Mr. Valenzuela. Is it
8 physically possible for Maricopa County employees to log
9 in and conduct signature verification from home?

10 MR. MORGAN: Objection, Your Honor. Form,
11 relevance. This has been asked and answered. What are we
12 doing here?

13 MR. BLEHM: Your Honor, he keeps saying
14 protocols, smotocol.

15 BY MR. BLEHM:

16 Q. It's a-yes-or-a-no question. Can they do it?

17 A. An employee can log in and access all of their --
18 their PC as if they were sitting in front of that PC
19 remotely.

20 Q. Okay.

21 A. That are assigned those workstations. Not every
22 employee has such.

23 Q. Okay. Do you allow your temporary employees
24 remote access?

25 A. They do not have workstations assigned to them,

1 nor are they provided that capability, no.

2 Q. Okay. Change gears a little bit.

3 Do you know someone by the name of Kathleen
4 Nicolaides?

5 A. I do, indeed.

6 Q. And who is she?

7 A. She is a certified forensic document examiner
8 who's certified by the ABFDE with those credentials, and
9 she is with -- associated Forensic Laboratories which is
10 the entity that provides the Secretary of State's training
11 to all 15 counties.

12 In addition to that, we have contracted with
13 her prior to the Secretary of State offering this service
14 to train and certify our FT -- our full-time employees,
15 our permanent employees, and certified election officers.

16 Q. Okay. And what is -- do you have a personal
17 relationship with her or anything?

18 MR. MORGAN: Objection. Relevance.

19 MR. BLEHM: She -- she's the individual that
20 does all the training for signature verification, Your
21 Honor.

22 THE COURT: Right. And I think we're pretty
23 far afield at this point.

24 MR. BLEHM: I just -- I just want to
25 understand his relationship, Your Honor, with this

1 individual who conducts their signature verification
2 training.

3 THE COURT: I don't understand the
4 relevance. So I'm not going to allow that.

5 MR. BLEHM: All right, Your Honor.

6 THE COURT: Sustained is another word for
7 that.

8 BY MR. BLEHM:

9 Q. All right. And so we talked yesterday about
10 Exhibit 1 and the standards, right, what people review.
11 And I'm going to hand you Exhibit 1 again.

12 Could you please turn to the page --

13 MR. BLEHM: And this we would like to use as
14 a demonstrative, Your Honor.

15 MR. LIDDY: Do you have a page number,
16 please.

17 MR. BLEHM: Exhibit 34, and the exhibits
18 have not been admitted yet. This is Exhibit 18, I think.

19 THE COURT: If we could point to a page in
20 one of the exhibits that you're about to use, then the
21 answer to your question is yes.

22 MR. BLEHM: I -- I believe it would be page
23 139.

24 THE COURT: Of Exhibit?

25 MR. BLEHM: And I'm looking for that.

1 THE COURT: One?

2 MR. BLEHM: That is 10 -- or Exhibit 11,
3 page 139, and it should be -- it should be titled User
4 134.

5 BY MR. BLEHM:

6 Q. All right. So, Mr. Valenzuela, I -- I suppose I
7 should ask you, have you ever seen this data before?

8 A. I briefly have.

9 Q. Where?

10 A. In -- today when we were looking at some of the
11 numbers that potentially other witnesses had.

12 Q. Okay. I'm going to make some representations to
13 you with respect to number 130 -- user 134. User 134 --

14 MS. DANNEMAN: Your Honor, this is a
15 document -- we don't know anything about this document,
16 who created it. It's not in evidence yet. We would ask
17 that --

18 MR. LIDDY: Foundation.

19 MS. DANNEMAN: Yeah. We would object on the
20 basis of foundation.

21 MR. BLEHM: I just want to ask him some
22 specific questions about the data. Then I'm going to show
23 a video of user 134 and ask him questions about that.

24 MR. MORGAN: Your Honor, he's not allowed --
25 he needs to lay foundation.

1 THE COURT: All right. So, first of all,
2 this is not data created by the witness?

3 MR. MORGAN: No, Your Honor.

4 THE COURT: Mr. Blehm?

5 MR. BLEHM: Your Honor, this is data that's
6 contained in Exhibit Number 20.

7 MR. MORGAN: Which the witness testified --

8 THE COURT: Wait. I thought we were --
9 Exhibit 11, page 139, user 134.

10 MR. BLEHM: It should say user 134, Your
11 Honor.

12 THE COURT: No. But I have it down as
13 Exhibit 11, page 139.

14 Is that what it is?

15 MR. BLEHM: Yes. It should be page 135, I
16 believe.

17 THE COURT: Okay. And who's this --

18 MR. BLEHM: Excuse me?

19 THE COURT: Who is this data created by,
20 this witness or someone else?

21 MR. BLEHM: No. The data wasn't -- the data
22 was created by Maricopa County.

23 What this data represents, Your Honor, are
24 key strokes on user verification computers. So when a
25 user -- when a user logs into their workstation -- and

1 that's how they know how everything we do at work.
2 They -- they hit a button that says to do something, and
3 that's recorded.

4 THE COURT: Okay. This sounds like you're
5 laying foundation by you testifying. But what I'm
6 concerned about is a demonstrative exhibit -- put it this
7 way. If you want to ask him a hypothetical question with
8 assumptions of certain things, you're able to do that.

9 MR. BLEHM: That's where I'm going, Your
10 Honor. I want to ask him a hypothetical question --

11 THE COURT: Then lay the foundation for your
12 hypothetical, please. You have to give him the specific
13 variables that you want him to consider, let's make
14 whatever you want him to assume, and then, if he's able to
15 offer an opinion, he can do that.

16 BY MR. BLEHM:

17 Q. Mr. Valenzuela, going back to the user that we
18 saw the video for, does -- does that look like it might
19 accurately represent his behavior on the signature
20 verification?

21 MR. LIDDY: Objection. Form.

22 THE COURT: Sustained on form because it
23 goes to foundation. It's assuming -- there's several
24 leaps in this. Please go back and lay the foundation.

25 BY MR. BLEHM:

1 Q. Okay. Let's assume that this data accurately
2 represents user 34 and his approval of --

3 THE COURT: 134 or 34?

4 MR. BLEHM: I'm sorry. 134, Your Honor.

5 THE COURT: Okay.

6 MR. LIDDY: Your Honor, may I please be
7 heard?

8 THE COURT: Go ahead.

9 MR. LIDDY: I'm objecting to foundation
10 because my understanding is, although I can't see it
11 because of the furniture in the courtroom, that there is
12 an exhibit in front of our -- my client, the witness, that
13 he's looking at. Okay. There.

14 This, as you can see what we have here from
15 this exhibit, it's a white page with black ink, red ink,
16 green ink on it. We have no idea what it is. We have no
17 idea who produced it, where it came from. I'm asking for
18 him to provide some foundation before he shows it to the
19 witness and asks him questions on it.

20 Thank you, Your Honor.

21 THE COURT: Okay.

22 MR. BLEHM: I think the foundation, Your
23 Honor, are the assumptions I'm trying to lay out right
24 now. I'm -- I'm asking him to assume certain facts.

25 THE COURT: Right. But I'm having a hard

1 time following your hypothetical because I don't know what
2 you're asking him to assume. His opinion -- your question
3 and his answer to have any value, I need to understand the
4 basis for it.

5 MR. MORGAN: And objection -- sorry, Your
6 Honor. Sorry. I didn't mean to interrupt.

7 An objection from us, Your Honor. I --
8 candidly, I'm lost. If we're going to start all over on
9 this issue and lay foundation, that would be great. I'm
10 honestly not able to follow along at this point.

11 THE COURT: Thank you.

12 BY MR. BLEHM:

13 Q. Okay. Mr. Valenzuela, are you a data analyst?

14 A. I am not.

15 Q. No?

16 Do you have any background at all in
17 analyzing datasets such as that contained in Exhibit 20?

18 A. Other than reviewing data and obviously tables
19 and that kind for statistics but not an expert in data
20 analysis.

21 Q. What is your background in statistics?

22 A. I have no background in statistics. It's
23 deriving statistics, example, turnout, early voting
24 participation, those kind of broad --

25 Q. Okay. And so you can do that math?

1 A. Yes.

2 Q. Okay. How do you do that math? Tell us, how do
3 you compute turnout?

4 MR. MORGAN: Objection, Your Honor.
5 Relevance.

6 MR. LIDDY: Join.

7 MR. MORGAN: This witness is not an expert.

8 MR. BLEHM: Okay. He's not an expert?

9 THE COURT: Wait. Wait. Wait. We're far
10 afield. Let's lay the foundation specifically for this
11 exhibit and then establish the parameters of your question
12 for him so that I understand the basis of what's being
13 asked.

14 BY MR. BLEHM:

15 Q. Okay. Mr. Valenzuela, do you have any reason to
16 dispute that this data accurately represents the time
17 performance of user 134 from the date he began employment
18 with Maricopa County on October 17, 2022, and ended his
19 signature verification responsibilities on November 11,
20 2022?

21 MR. LIDDY: Objection as to foundation to
22 the extent that counsel is referring to data on the
23 exhibit for which there's been no foundation laid.

24 THE COURT: I'm going to sustain it. If --
25 I'm not going to tell you how to ask the question, but

1 we're -- we don't have foundation to ask the question that
2 was posed to you.

3 MR. BLEHM: Understood, Your Honor.

4 Okay. I just wanted to -- one hypothetical
5 question to ask him because I have to ask him to assume,
6 Your Honor.

7 The assumption I'm asking him to assume is
8 this, that this user and his approval of ballot
9 information envelopes is represented by this line on this
10 graph, Your Honor, over time.

11 THE COURT: That's the question?

12 MR. BLEHM: The hypothetical is, if that is
13 consistent with Maricopa County's standards for approving
14 ballot affidavit signatures. That is my question.

15 MR. LIDDY: Objection. Foundation, Your
16 Honor, with regard to his digit on that right hand was
17 pointed to that exhibit for which no foundation has been
18 laid.

19 THE COURT: Okay. But hypothetically, what
20 you're asking him -- the problem is is you've been
21 thinking about this examination for a long time, and there
22 are things in your examination, the question you're asking
23 him, that are quantum leaps and assumptions that you're
24 not asking him to assume.

25 And so it lacks foundation. If you want to

1 show him a picture not representing that it's anything
2 substantive from the case, but this is assuming -- and
3 I'm -- now I'm trying to tell you how to ask your
4 question.

5 MR. BLEHM: And, Your Honor, that's -- I'm
6 showing him this graph and just asking him to assume.

7 THE COURT: But is this a graph to show --
8 I -- as I look at this, I don't know what that graph is.
9 I don't know what any of the axes represent, and you're
10 asking him a hypothetical that doesn't -- you're -- you're
11 leaving out assumptions. You're not providing all the
12 data, and you're just saying --

13 BY MR. BLEHM:

14 Q. Mr. Valenzuela --

15 THE COURT: Look appropriate.

16 BY MR. BLEHM:

17 Q. -- what I would like to -- you to assume on this
18 graph, that this axis here represents the number of ballot
19 affidavit envelopes approved, and that this axis here
20 represents the time taken to approve.

21 Do you understand?

22 A. I understand that explanation, yes.

23 Q. Okay. So, if you had a signature verification
24 employee whose time to approve on average followed this
25 pattern, would you say that they are comparing signatures,

1 or they're not comparing signatures?

2 MR. LIDDY: Objection. Foundation, Your
3 Honor. We don't know where this document came from, who
4 made it, what --

5 THE COURT: Okay. At this point in time,
6 Mr. Valenzuela, if you're able to understand the question
7 and you don't need any other information or clarification
8 and you're able to answer the question the way it's posed
9 to you, you can answer it. If you can't, you can tell me
10 you can't.

11 THE WITNESS: I don't believe I can
12 accurately answer. I can make some assumptions, like
13 you're asking me to, but I don't know that particular
14 data. I don't know who that user is.

15 But if you're asking, does that bar look
16 accurate as far as ups and downs, peaks and valleys, there
17 would, indeed, be peaks and valleys when somebody is doing
18 a disposition of no signature 1 second, no signature 1
19 second, an absolute consistent signature 2.4 seconds, or
20 one that is not consistent that needs further evaluation.
21 So we would see peaks and valleys in any user who reviews
22 signatures.

23 BY MR. BLEHM:

24 Q. Oh, okay. And so please explain to me what you
25 mean by peaks and valleys.

1 Is this a peak?

2 A. I'm inferring that's what that is.

3 Q. You're inferring?

4 A. Because I'm looking at a chart that I don't --
5 I've never seen before, but assuming it goes up and down,
6 that that is indication, as you explained the axes to me.

7 Q. Understood.

8 MR. LIDDY: Your Honor, I -- I'm sorry,
9 please finish your questioned.

10 BY MR. BLEHM:

11 Q. Because we're both making assumptions, right?

12 A. You're asking me to make assumptions, and I am
13 following along.

14 Q. That's what I'm doing. I'm asking you to make
15 assumptions.

16 MR. LIDDY: Objection. Calls for
17 speculation.

18 BY MR. BLEHM:

19 Q. And that you, as the head of the elections
20 department who oversee all signature verification workers,
21 is this -- if this represented, user 134 represented an
22 actual Maricopa County signature verification employee,
23 would you say that that behavior is consistent with their
24 oath of office?

25 MR. LIDDY: Objection, Your Honor. It

1 appears that counsel is using that as a demonstrative, and
2 he's asking the witness to make assumptions that it's
3 based on actual data from the '22 election for which no
4 foundation has been laid, and he then will argue to the
5 Court that, based on these assumptions, his answers are
6 evidence that somehow it should be used by the Court to
7 deliberate for the ultimate question.

8 This is completely improper, and it deprives
9 my client of their due process rights in this hearing.

10 THE COURT: Thank you.

11 All right. Is this a demonstrative?

12 MR. BLEHM: Let's get this out of the way.

13 THE COURT: Hold on, Mr. Blehm. There was
14 an objection.

15 Is that a demonstrative exhibit? You
16 started off by saying that that's a demonstrative exhibit.

17 MR. BLEHM: Yes, Your Honor.

18 THE COURT: Okay. That means that you've
19 got a witness that you will use to lay the foundation for
20 that.

21 MR. BLEHM: Okay.

22 THE COURT: Now, you can ask questions. In
23 fact, you already did yesterday, ask all the questions
24 about times for -- for performing the analysis of whether
25 signatures were similar and timing.

1 But now you've apparently transposed that --
2 some representation of that onto that demonstrative
3 exhibit. It's not this witness' demonstrative exhibit.

4 And so, if you have a witness that you want
5 to lay the foundation for that demonstrative exhibit,
6 it -- it's not -- demonstrative exhibits don't come into
7 evidence.

8 MR. BLEHM: Understood, Your Honor.

9 THE COURT: They're -- they're there for
10 demonstrating more effectively to the trier of fact what
11 the witness is testifying to.

12 MR. BLEHM: Understood, Your Honor.

13 THE COURT: So this is not a proper use of a
14 demonstrative exhibit. You've already asked and had
15 answers to all of the questions related to the data
16 yesterday.

17 MR. BLEHM: Understood, Your Honor.

18 THE COURT: So let's move on, please.

19 BY MR. BLEHM:

20 Q. Okay. So you testified that you did participate
21 in the production of that data that I represented to you
22 is represented by this chart I asked you to make
23 assumptions about, correct?

24 A. Correct.

25 Q. Okay. What was your role? What role did you

1 play in producing that data?

2 A. I apologize because it's going to sound overly
3 broad, but I requested it of -- and gave them specifics of
4 what to pull for that data request.

5 Q. Okay.

6 A. But I did not pull the data myself. I did not
7 analyze the data. I submitted the ticket under the public
8 records request.

9 Q. All right. Do you have the ability to analyze
10 this data?

11 A. I do. I have the raw data, but I don't have the
12 ability to -- properly to that degree, as, again, I
13 indicated I'm not a data analyst.

14 Q. Okay.

15 MR. MORGAN: Objection. Relevance.

16 MR. BLEHM: Thank you.

17 THE COURT: It's asked and answered, so...

18 MR. BLEHM: All right. I'm going to -- I'm
19 done, Your Honor.

20 THE COURT: Okay. All right. Cross-exam?

21 And I told you yesterday, you can either go
22 as far as you want -- because, as you all understand,
23 Arizona is not limited like the federal system on
24 cross-examination. You can go as broad as you want, if it
25 avoids calling the witness again in your case in chief, or

1 you can stick to what you wish to in this case.

2 So who's doing the cross?

3 MR. LIDDY: Your Honor, we will be calling
4 this witness as our only witness on direct.

5 THE COURT: That's your -- that's your
6 right.

7 MR. LIDDY: And I'm happy to do a minor
8 cross to clean this up. I can do that on direct. It's
9 really up to you, Your Honor, how you want to do this. I
10 don't know if you need a break now or --

11 THE COURT: It -- it's -- it's really not up
12 to me. It's your choice as to how you wish to try your
13 case. But I'm just emphasizing. You have that. I'm
14 signaling to you that I recognize that you have the right
15 to re-call this witness, if you wish to, in your case in
16 chief. So you can either conduct cross, as you see fit,
17 or not.

18 MR. LIDDY: Your Honor, we're going to not
19 question this witness at this time and wait and do all of
20 our work on our redirect.

21 THE COURT: Very well.

22 MR. LIDDY: Our case.

23 THE COURT: All right. Without cross,
24 there's no rebuttal, and so can we -- I think somebody in
25 the back, are you taking pictures, sir? Sir, are you

1 taking pictures?

2 A GENTLEMAN: I did, but I won't. I'm
3 sorry.

4 THE COURT: Pardon me? Pardon me? I didn't
5 hear your answer.

6 A GENTLEMAN: No. I won't be taking
7 pictures, no.

8 MR. LIDDY: Your Honor, he said yes, he did,
9 but he won't anymore.

10 THE COURT: Okay. Okay. All right.
11 There's just specific rules that are in place with regard
12 to that.

13 A GENTLEMAN: Yes, sir.

14 THE COURT: So I would just ask you to
15 delete that. I could have my staff review that. I'm not
16 going to have them come take your camera, but you already
17 get it. You're not going to take more pictures. If you
18 can just delete what you took in the courtroom, I'd
19 appreciate it.

20 A GENTLEMAN: Sure.

21 THE COURT: Thank you.

22 Okay. So we're going to -- let's see.
23 We've only been at this for an hour.

24 So, Mr. Valenzuela, we can excuse you to go
25 ahead and take your place in the courtroom, if you'd like,

1 sir. Thank you.

2 Okay. Who is the next witness that you
3 would call? I think you only have one witness left that
4 you told me.

5 MR. OLSEN: Correct, Your Honor. That is
6 Mr. Speckin.

7 THE COURT: Okay. Are you ready to --

8 MR. BLEHM: Sorry, Your Honor. I --

9 THE COURT: Just returning the --

10 MR. BLEHM: Returning Exhibit 1.

11 THE COURT: Thank you, Mr. Blehm, I
12 appreciate that.

13 Okay. We're going to continue because I
14 have to check with the court reporter. So we'll begin
15 with your -- your witness, Mr. Olsen, knowing that we'll
16 probably break around 10:30 for the midmorning break.

17 MR. OLSEN: Yes, Your Honor.

18 THE COURT: All right. Go ahead. You want
19 to get your -- I think --

20 MR. OLSEN: Your Honor, plaintiffs will call
21 Erich Speckin.

22 THE COURT: Mr. Speckin, come on forward,
23 sir. If you could raise your right hand and be sworn in,
24 sir.

25 (Whereupon the witness is sworn.)

1 THE COURT: Thank you, Mr. Speckin. Have a
2 seat.

3 All right. Mr. Olsen, you may begin.

4 MR. OLSEN: Your Honor, may I approach? I
5 just want to move that monitor.

6 THE COURT: Oh, the monitor?

7 MR. OLSEN: Yeah. Just to swing it.

8 THE COURT: Yeah. Right. That's just fine.
9 That's fine, sir.

10 Is that blocking anybody on the defense side
11 now?

12 MR. LIDDY: No, Your Honor.

13 MR. MORGAN: No, Your Honor. Thank you.

14 THE COURT: We're good. Thank you.

15 MR. OLSEN: Thank you, Your Honor.

16

17 ERICH SPECKIN,

18 having been first duly sworn,

19 is examined and testifies as follows:

20

21 DIRECT EXAMINATION

22

23 BY MR. OLSEN:

24 Q. Good morning, Mr. Speckin.

25 A. Good morning.

1 Q. Could you please state your full name for the
2 record.

3 A. Erich Speckin. That's E-R-I-C-H, last name
4 Speckin, S-P-E-C-K-I-N.

5 Q. And, Mr. Speckin, where do you work?

6 A. I work for Speckin Forensics. Our main office is
7 in Michigan. I work primarily out of the Fort Lauderdale,
8 Florida, office, not Hollywood, Florida, I should say.

9 Q. And what does Speckin Forensics do?

10 A. We're a full-service forensic firm. We deal with
11 all aspects of forensic science. We deal with computer
12 data recovery, crime scene re- -- excuse me, crime scene
13 reconstruction, firearms and tool mark, fingerprints, DNA,
14 toxicology, but the section that I deal with is documents
15 and inks.

16 THE COURT: Mr. Speckin, do you need some
17 water? You coughed.

18 THE WITNESS: I have it ready. Thank you,
19 Your Honor. I have extra lined up for me, I think, too.

20 THE COURT: We're set.

21 BY MR. OLSEN:

22 Q. Do you also work in the field of handwriting
23 analysis?

24 A. Yes. So, under documents and inks, there are two
25 schools of thought. There's a document analyst that looks

1 at just the document aspect, and then there's handwriting.
2 I do both.

3 In the United States, nearly everyone does
4 that does documents also does handwriting. In some
5 countries, they differentiate the two, but under document
6 examination, under that title, it would be document
7 examination, and handwriting would be part of that.

8 Q. And is signature verification subsumed within
9 handwriting analysis?

10 A. That would be another way to say it or an
11 application thereof from handwriting examination for
12 determination of authorship. That's the way I would say
13 it, but signature verification is saying the same thing,
14 in my opinion; it's just not a phrase that I normally use.
15 I would say determination of authorship, but it's the same
16 thing.

17 Q. And can you give me a more detailed description
18 of your job that you perform at forensic -- Speckin
19 Forensics?

20 A. So my primary functions, as it relates to work or
21 documents and inks, I mean, I have administrative
22 functions, as well, but nobody is probably interested in
23 those today.

24 So I deal with the examination of documents
25 and inks. So, in the examination of documents, I am to

1 examine documents for alterations, additions, and
2 rewritings, has a document been altered, changed, added to
3 after the fact, and also perhaps when it was done, the
4 examination of photocopiers, facsimiles, printers for
5 determination of origin, date, time, associations.

6 The larger part, especially now because
7 we've had a death of one of our partners, is handwriting.
8 I've been doing handwriting now for 30 years, a little
9 over, and that is the determination of handwriting and
10 hand printing.

11 Of course, included in that is signatures
12 for determination of authorship. Did someone write
13 something or not, and the certainty to which you can
14 express that conclusion, and that's what I deal with on a
15 large scale. It seems like, if you ask my wife, every day
16 but six days a week probably.

17 Q. And so I believe you testified that you have
18 worked at Speckin Forensics for approximately the past 30
19 years?

20 A. Yes. I started in March of 1993, and now we're
21 in May of 2023, so 30 years and three months.

22 Q. How many employees are at Speckin Forensics
23 currently?

24 A. Between full and part time, you would say?

25 Q. Yes.

1 A. Well, instead of testing my memory and count
2 every one, I'd say roughly a dozen.

3 Q. Okay.

4 A. I could take a lot of time and give you an exact
5 answer but, if that's good enough for you, roughly a
6 dozen.

7 Q. Can you describe the education and training that
8 you have in the areas of expertise that you just described
9 with respect to document analysis, handwriting analysis?

10 A. Yes. I have a degree in chemistry. It's a
11 Bachelor of Arts from the College of Natural Science from
12 Michigan State University. That's my educational
13 background.

14 My training, I had a two-year training
15 program with Leonard Speckin. That's my father. It was
16 in the examination of documents and signatures. He's the
17 retired chief document examiner for the Michigan State
18 Police. He retired in December of 1989. He trained me
19 from 1993 to 1995 in the examination of documents and
20 handwriting for determination of authorship as it relates
21 to the handwriting.

22 I then had a one-year training program with
23 Richard Burnell. He's the retired deputy director of the
24 ATF Natural -- National Laboratory. He trained me from
25 1995 to 1996. That primarily focused on inks and papers,

1 who manufactured an ink, when it came out, how long it's
2 been on a paper, and are two inks the same or different.
3 That's primary fast answer to what that was. And that was
4 from '95 to '96.

5 Q. Do you hold any licenses related to offering
6 expert opinions on handwriting analysis?

7 A. No. There's not a license, per se, that's
8 granted by a state or local body. I am a licensed private
9 investigator in the state of Michigan, which is required
10 under laws of some states. I don't think Arizona is one
11 of them, but I don't know for sure.

12 But you have to be a licensed private
13 investigator to store and maintain forensic data,
14 primarily related to computer cases and computer data. I
15 maintain that license in an abundant of caution, but it's
16 not something that really plays into my normal workday,
17 but I have it.

18 Q. Okay. You described two instances of the
19 training that you've undergone for handwriting analysis, I
20 believe.

21 A. Yes. My father and Richard Burnell.

22 Q. And do you maintain any -- or strike that.

23 Do you perform any proficiency tests, annual
24 tests that would allow you to show that you have
25 maintained proficiency in these areas?

1 A. Yes. My laboratory, many years ago, I think in
2 2007 or 2008, at the decision of Roger Bolhouse, who was
3 our laboratory director at the time, decided that we would
4 all go in our laboratory, undergo proficiency testing.

5 So we have an outside proficiency testing
6 agency called CTS, Collaborative Testing Services.
7 They're the ones who provide a lot of testing for
8 government agencies, as well. That's what they do.

9 To be tested in handwriting and document
10 examination, for me, I was there -- DNA people are tested
11 in DNA, but that's what I'm tested in on an annual basis,
12 and we have occasional additional proficiency tests that
13 we'll be tested that are internal proficiency tests that
14 are created by staff at the laboratory, but the main one
15 is outside proficiency testing on an annual basis.

16 Q. And when -- when is the last time that you
17 completed your outside proficiency testing in handwriting
18 analysis?

19 A. With COVID, it changed things a little bit. So I
20 can't remember if it's one year or two years ago. And the
21 new one is coming up. So it's been ordered, but it hasn't
22 been delivered for 2023 yet.

23 Q. Have you participated in any workshops with
24 respect to scientific meetings on the issue of handwriting
25 analysis?

1 A. Yes. I attended many workshops on handwriting
2 examination, expressing conclusions. Within that,
3 determination of handwriting on mass scales. They have
4 software in the forensic world for mass scale handwriting
5 comparisons.

6 I've looked at what they would say would be
7 more difficult cases like how to tell something that might
8 be more difficult a layperson wouldn't be able to see in
9 terms of forgeries and how it's done.

10 But that's probably one of the more frequent
11 workshops is the examination of handwriting in some form
12 or fashion because it's one of the more common things
13 that's encountered in my field by similar experts.

14 Q. Who puts on these workshops that you're
15 describing?

16 A. Generally speaking, it would be a relevant
17 scientific organization. So it might be -- I heard
18 someone say American Board of Forensic Document Examiners.
19 They don't actually have their own. But they have
20 American Academy of Forensic Sciences that they're related
21 to. They have workshops all the time. The American
22 Society of Questioning Document Examiners has workshops.

23 Here, you have the Southwestern Association
24 of Forensic Document Examiners, SAFDE. They will put on
25 workshops. There are other regional organizations similar

1 to that, such as MAFs (phonetic) or SAFs (phonetic) or you
2 know -- for different geographical areas that will put on
3 workshops.

4 I've also attended workshops from
5 specialties. In other words, I've attended workshops at
6 Canon on how Canon printers, technologies, and toners
7 work. I've attended workshops on paper, on how paper is
8 made at various factories.

9 I've done workshops on ink, on how inks and
10 pens are made and ink is put in pens. Those are not the
11 norm, but those happen on occasion, and I always try to
12 make those.

13 Q. Are there workshops specifically related to the
14 issue of handwriting analysis?

15 A. Yeah. As I said, with various scientific bodies,
16 that's probably one of the most common types of workshops
17 that's available.

18 Q. And do you participate in those workshops, as
19 well, when made available to you, when schedule permits?

20 A. When schedule permits is exactly how I was going
21 to answer. Early on in my career, I attended a lot of
22 more frequently.

23 As I've gotten busier and had more children,
24 I've attended less frequently, but I still do attend, and
25 I also present. I mean, I'm a frequent presenter of

1 papers and workshops at various scientific bodies on this
2 type of thing.

3 Q. How many cases involving handwriting and
4 signatures have you reviewed in your career?

5 A. So I only -- when I -- when we say cases, just to
6 be clear, I only keep track of a case by a submitter. So,
7 for instance, there could be a case with many, many
8 signatures that are involved, but it's only one case.

9 So, if we take one case by single submitter,
10 I would estimate it's probably, at this point in my
11 career, in the range of 3,000, 28 hundred to 33 hundred,
12 given a range, that I've examined as an examiner.

13 And I'd estimate, in my training period, I
14 had probably around 700 that I either reviewed through the
15 course of the work, or I was asked to review older cases
16 for specific purposes for training supplement.

17 Q. Have you testified as an expert witness with
18 respect to -- well, strike that.

19 How many cases have you testified as an
20 expert witness in your field?

21 A. I think the number is 413 today. This would be
22 the 413th time in my career, counting trials and
23 depositions. I don't have it broken down specifically,
24 but counting trials and depositions, sworn testimony, I
25 think this is around 413.

1 Q. And of those cases, how many did you testify on
2 the issue of handwriting analysis signature verification?

3 A. I can't give you a breakdown that fine. I can
4 tell you it's the majority of them, but I don't know that
5 it's 297 or 350 or -- I can't give you a number that
6 specific. That would mislead to I say that I know that
7 specifically, and I don't. But the majority of them have
8 been handwriting-type cases.

9 Q. When you say "the majority of them," you mean the
10 majority of the 413 cases that you referred to earlier?

11 A. Correct. Over the majority, well over half is
12 what I mean.

13 Q. In all of the cases from which you testified as
14 an expert, have you ever been disqualified by any court?

15 A. There was one instance related to ink dating
16 where a court read an opinion that had been thrown out and
17 said, we're not going to have testimony on that issue, but
18 never with handwriting.

19 Q. So when you say "ink dating," what does that
20 refer to?

21 A. Well, the issue was a very, very narrow issue,
22 and it had to do with the estimation of age and the length
23 of time the ink had been on paper by the chemical drying
24 properties and comparing it to an ink from the same sample
25 that had been accelerated-aged in a laboratory and saying

1 the extraction properties were different. That's the
2 technique, and that was in 2003.

3 Now every private laboratory I know uses
4 that use of heat to accelerate the age of inks, but in
5 2003, the judge wasn't ready to hear that at that time for
6 a myriad of reasons.

7 Q. You mentioned that a court relied on a case that
8 had been vacated.

9 Can you explain that further?

10 A. Yeah. So the case that I'm talking about where
11 the judge didn't allow testimony here in the United States
12 was EEOC versus Ethan Allen, Northern District of Ohio,
13 and I think it was 2002 or 2003.

14 They quoted an opinion from a Hong Kong case
15 that had a myriad of terrible things to say about me, and
16 it later came out that the judge didn't write that opinion
17 at all; he just copied it from what the other side had
18 written.

19 And the court of final appeal -- they call
20 it the CFA in Hong Kong -- threw the decision out because
21 the judge merely copied what the defense had written, and
22 I don't remember the exact language. It's been over 20
23 years. But something like he didn't apply an independent
24 thought or I don't remember exactly but something like
25 that. Or they couldn't be satisfied he applied an

1 independent mind. I don't remember exactly, though.

2 Q. Can you describe to the Court the number of
3 different venues, jurisdictions, in which you have
4 testified as an expert in handwriting analysis?

5 A. Specific to handwriting? Let me think.

6 So I'm just starting --

7 Q. Well, let's -- let me back up for a moment.

8 A. Uh-huh.

9 Q. I'll withdraw the question.

10 Can you describe to the Court the number of
11 cases -- or strike that, the number of jurisdictions and
12 the names of the jurisdictions in which you have given
13 testimony as an expert in your field?

14 A. So, as an expert in the field, I can give the
15 fast answer of 30 states -- 37 states and 11 countries. I
16 can attempt to list most of the countries. The EULEX
17 court in Kosovo, England, Jamaica, Canada, Mexico, Japan,
18 Hong Kong, United States. I'm falling short on three.
19 Germany by submission, the Virgin Islands, and the last
20 one currently stumps me, but I'll probably have it before
21 I leave the witness stand, if anyone cares for the 11th.

22 Q. I believe you testified that you have offered
23 expert testimony in over 30 states?

24 A. Thirty-seven, I believe, is the count.

25 Q. And is Arizona one of those states in which you

1 have offered expert testimony in your field of study?

2 A. Yes, Arizona is. The surrounding states,
3 California -- well, forgive if my geography is slightly
4 off. But when I say "surrounding states," I mean the ones
5 that are close. They might not touch but California,
6 Nevada, New Mexico, Colorado. I know Texas doesn't touch,
7 but it's kind of close if you're from the East Coast, and
8 then spreading all the way up to Washington State, Maine,
9 and Florida and everywhere in between. Missing 13 states
10 that I haven't.

11 Q. And can you give a -- just a general description
12 of the -- the clients that have retained you to give
13 expert testimony on their behalf.

14 Are they individuals? Are they companies?

15 A. So most of the clients that would retain me would
16 be lawyers representing a party. It could be a
17 governmental entity. It could be a company. It could be
18 an individual.

19 I do have some companies and some
20 organizations that have retained me directly: The NCAA,
21 the NBA, NHL players -- NHL Players Association, things
22 like that. Big companies with internal reviews of certain
23 issues, handwriting is a common one. Did someone write a
24 threatening letter, did someone write a note on a bathroom
25 wall. It's common that I'm retained by a company such as

1 General Motors, Ford, Honda, Chrysler, that sort of thing,
2 in those instances, large banks.

3 I mean, anybody with big HR departments that
4 conduct their own investigations on threats, I see that
5 frequently, but still, the majority is attorneys that
6 represent a party that would retain my firm.

7 Q. What government agencies have retained you as an
8 expert?

9 A. As an expert, Florida Department of Law
10 Enforcement retained me to provide training to perform
11 analyses. Many U.S. attorneys' offices, prosecutors'
12 offices in many states, nationally relations board, the
13 DEA in forged prescription cases, SCC, and then usually it
14 would be the U.S. Attorney representing somebody. So it
15 might be a case, say, for an FBI prosecution, but the U.S.
16 Attorneys are who retain me.

17 So it wouldn't be directly from that agency.
18 It would a U.S. Attorney's Office or -- I forget the
19 national of the fish and wildlife, whatever that is. I've
20 been retained by the U.S. Attorney's Office in those type
21 of instances.

22 Q. And have you been retained by government agencies
23 particularly with respect to law enforcement for your
24 testimony regarding handwriting analysis?

25 A. Yes. I would say most of those were, with few

1 exceptions. It might've only been regards to ink dating.
2 Like Orange County California's Prosecutor's Office
3 retained me, but it was only related to ink dating. Los
4 Angeles County Prosecutor's Office has retained me for
5 both. I mean, we could go on and on, but yes, generally,
6 it's both, but in some instances, it's only one of them.

7 Q. Have you ever testified in front of any
8 legislative bodies on the issue of the subject matters of
9 your expertise?

10 A. Yes, I have.

11 Q. Can you describe that?

12 A. I testified here in Arizona at a hearing -- I
13 think it was a joint session of the Senate and the House
14 together. It was a few months back. I've testified in
15 the state of Michigan to the -- I think it was the House
16 of Representatives. It might've been the Senate, as well.
17 I'm not for certain. Those are the only two times I can
18 think of.

19 Q. Have you been appointed by any court for the
20 defense in criminal cases?

21 A. Yes. I've been appointed by judges throughout
22 the country many times for my expertise.

23 Q. And did any of those appointments involve the
24 subject of handwriting analysis for your expertise?

25 A. Most all of them. That's the most common thing

1 signatures in order for that to be voted on, and I'm not
2 an expert in politics, but that is how I understand it.

3 Looking at those signatures to determine
4 more commonly not is it the exact person of that signature
5 but did one person sign a bunch of these names all
6 together, or is there, what we refer to, as a round robin
7 of eight people sitting around a table and person A signs
8 signature -- line 1 and then 2 and 3, and so on, and so
9 every eighth line, in general terms, is signed by the same
10 person.

11 So it's looking at overall characteristics
12 of handwriting to determine if there's common authorship
13 that can be determined on a rotating basis like that.

14 Not very often, in election matters, the way
15 that discovery works, are we provided signatures and known
16 signatures to compare to with people and be able to do it
17 in a manner that comports with the discovery rules in
18 election cases.

19 So I don't see that too often in election
20 cases like that. I have in the past, but that's
21 infrequent. Usually it's more on petitions and ballots.

22 Q. Are there other instances where you are tasked
23 with evaluating large numbers of signatures?

24 A. Sure. There's other applications, of course. I
25 mean, when I started -- well, not maybe exactly when I

1 started, but early on in my career, long-distance slamming
2 was a big thing.

3 So you could go to a supermarket, and you
4 sign a piece of paper saying, change my long distance
5 carrier to this person, and they give you a \$50 gift
6 certificate or a savings bond or whatever. I mean, they
7 have some -- toaster, whatever. They have some gimmick,
8 right?

9 And then these people say, I never changed
10 my long distance. Well, then the FCC -- FCC investigates
11 that and says, did this long distance carrier fraudulently
12 switch them to their service?

13 And in that case then, you get -- you have
14 to go do the research and get collected signatures from
15 DMVs in those states or voter applications -- voters
16 registrations, if you can get them, and then do the
17 comparison that way. So that's an instance of it being
18 done in a mass scale.

19 Mass tort cases where certain documents
20 signed by plaintiffs when there's -- the most recent one I
21 can think of with an affidavit was a Birmingham hip
22 replacement case, and there were hundreds of plaintiffs in
23 that case.

24 And the question was, were they signing
25 their updated disclosures of some sort, and I don't

1 remember exactly which disclosure, but were those
2 signatures consistent with other documents they had signed
3 in the court proceedings to that point in time. And there
4 were hundreds of plaintiffs to look at and do that
5 comparison.

6 So it's something that I see regularly on
7 top of election cases in a mass tort -- or other related
8 settings.

9 Q. So, in this context, you have often performed an
10 analysis of signatures to compare with a record signature
11 to determine whether or not the signature is consistent or
12 matches, correct?

13 A. I would typically -- I would just modify the
14 question to say records signature is the most common. So
15 you usually have one, two, or three, two and three, you
16 know, four and five, whatever. You sometimes only have
17 one, but that's not the most common result of how many
18 signatures you have, but sometimes it could be one, yes,
19 and you do the comparison with what you have, absolutely.

20 Q. Mr. Speckin, are you familiar with the issues
21 related to signature verification that are being presented
22 in this case?

23 THE COURT: Hold on just a sec.

24 I sense a change of gears from foundation to
25 application. It's 10:30, and we need to take a break. So

1 I'd rather not chop you off in the middle of what you're
2 attempting to do but take a break here, come back in the
3 15 minutes, and let you resume. Okay?

4 So we'll be taking our morning recess of 15
5 minutes.

6

7 (Recess taken.)

8

9 THE COURT: Very well. We are continuing on
10 the record in CV2022-095403, Lake versus Hobbs, et al.

11 Present for the record are party
12 representatives and/or parties and all respective counsel.

13 And we will resume with Mr. Speckin on the
14 stand with direct examination in progress, and we will
15 continue that.

16 Mr. Olsen?

17 MR. OLSEN: Thank you, Your Honor.

18 THE COURT: Please proceed when you're
19 ready.

20 MR. OLSEN: Thank you, Your Honor.

21 BY MR. OLSEN:

22 Q. Mr. Speckin, you -- before we took a break, you
23 testified that you were involved in cases involving a
24 review of mass signatures in election-type matters, mass
25 tort cases, and the like.

1 Do you recall that?

2 A. I do.

3 Q. And typically, how would the review of mass
4 signatures be conducted?

5 A. So, if possible, my preferred method would be to
6 have someone in my office that's at a lesser hourly rate
7 prepare graphics that would have the signature at issue --
8 is what I call the question signature, but the signature
9 that's at issue at the top, a dark -- or if there's more
10 than one, two or three at the top, a dark black line, and
11 then the known signatures below with the dates so that I
12 can compare the relative time and know when they were from
13 on consecutive slides.

14 So, if I'm at my computer and I have my
15 monitor, a slide would come up on the screen, and I would
16 have the question signatures at the top, known signatures
17 at the bottom, and I would do my comparison from there.

18 Then I can click to the next slide and do my
19 comparison from there. And that's how I would go through
20 it, similar to what I've seen that Maricopa has. It's not
21 exactly the same, but it's substantially similar, setting
22 forth the questions and the knowns to compare.

23 If it's a very large scale, for limited
24 purposes, I would try to have someone in my office with
25 some training on handwriting -- I don't know what the word

1 would be -- triage or initially review to determine: Are
2 there a lot of signatures that have problems, which ones
3 are they, and so on?

4 But I wouldn't remove any of the slides from
5 what I see, but I have notes on which ones they saw. That
6 is in a perfect world. That doesn't always -- the last
7 step doesn't always happen.

8 Q. And when you say "typically," you would maybe
9 have some individuals from your office perform the -- the
10 first cut? Would that be a fair way to characterize it,
11 when you say "triage"?

12 A. Yes.

13 Q. And would you train those individuals in what to
14 look for in terms of signature verification?

15 A. Well, they would've already been trained. So it
16 would be someone who's maybe a lower level -- hasn't been
17 doing it as long as me but has undergone the training or
18 has had a year or two of the training. That's an
19 advantage that we have at our disposal in my office that
20 other people don't, but clearly they've had training, yes.

21 Q. And speaking of training, did you hear the name
22 of Kathleen Nicolaides?

23 A. I -- I heard it in the question and the response
24 from Mr. Valenzuela, and I've seen it in some of the other
25 materials. I -- I know who that is.

1 Q. And who is Kathleen Nicolaides?

2 A. She's an examiner -- a forensic document examiner
3 or analyst here in -- I think Phoenix but definitely in
4 the Phoenix area. She was trained by a guy named Bill
5 Flynn -- William Flynn. He's like my dad's age. I've
6 known him since I was a kid. And she trained I think -- I
7 think she's a little bit younger than me, as far as I
8 know, but I don't know a ton other than her professional
9 background.

10 Q. Is it your understanding that Ms. Nicolaides has
11 offered training at the employment of Maricopa County for
12 signature verification workers?

13 A. Yes. It's my understanding from one of the
14 witnesses that testified yesterday, Mr. Valenzuela today,
15 and I think she cites that in her own professional bio in
16 cases that I've seen that she has done such in -- in her
17 CV.

18 Q. Would you consider her a colleague or, you know,
19 in the same field that you are offering testimony in?

20 A. She's definitely in the same field and attends
21 the same types of meetings. Maybe we've not been to the
22 exact same one at the same time, but the organizations
23 that I talked about, she would attend those meetings, and
24 she would go to the same kind of workshops I talked about
25 and things like that, yes.

1 Q. And you mentioned that you know her supervisor;
2 is that right?

3 A. I don't know supervisor is the right term now.
4 She's been doing it for quite a while, but the one who
5 trained her, I know Bill Flynn, yes.

6 Q. Okay. How do you know him?

7 A. Well, I first met him, I think, when I was a kid
8 before I even got in the examination, I had a meeting with
9 my dad, but as I got in the field, I would talk to him at
10 meetings. He's a -- he's a nice guy.

11 Q. Who -- who is Mr. Flynn?

12 A. I believe he retired from Philadelphia Police
13 Department as a forensic document analyst. He's
14 probably -- well, I'll just say roughly the same age as my
15 dad. I wouldn't want to offend him, but you know, he's
16 been around. He's contemporary with my father.

17 Q. Okay.

18 MR. LIDDY: Objection, Your Honor, to this
19 line of questioning as relevance.

20 THE COURT: You're done with that or?

21 MR. OLSEN: I think we're done with it
22 anyway, Your Honor, but it's just establishing his
23 background and particularly in relationship to similar
24 experts in Maricopa.

25 THE COURT: That's fine. We're moving on.

1 That's fine.

2 MR. OLSEN: Yeah.

3 BY MR. OLSEN:

4 Q. Mr. Speckin, are you familiar with the -- the
5 issues in this case as they related to the review of
6 signatures -- voter signatures by Maricopa signature
7 verification workers?

8 A. Yes. I believe I've heard several days of it and
9 specifically testimony yesterday and today. I have a
10 pretty good -- at least working knowledge of it, yes.

11 Q. And what -- what is your understanding of the
12 variables at issue in this case?

13 A. My understanding is to determine if it was
14 physically possible to review and compare, as it is in the
15 statute, to compare samples to one another to determine if
16 they are consistent or inconsistent, and then, of course,
17 there's a disposition as to what to do, but I don't have
18 an opinion on that part of it, once it's deposed of.

19 THE COURT: Hold on.

20 MR. MORGAN: Objection, Your Honor.

21 Relevance. This goes to Reyes. Again, Judge, we've heard
22 foundation, I believe, for the expert's, I'll say,
23 background. Okay, Your Honor?

24 May I continue to speak? I don't want to
25 presume I can. Thank you.

1 And, Your Honor, we've heard him talk about
2 how he analyzes signatures, and he has to have access to
3 signatures to look at the signatures to analyze how he
4 would do it.

5 First off, that's process.

6 Second, he doesn't have access to any of
7 these signatures.

8 Third, he can't testify about the process.
9 Nobody gets to take issue with the process today.

10 The question is, was it followed? And we
11 cannot have an expert here today testify beyond that
12 issue, and it sounds like they're going into something
13 that's completely inappropriate for this trial.

14 THE COURT: Okay. Thank you for clarifying
15 the objection, because there is a crossover here, and let
16 me make it clear so we don't have this popping up and down
17 through the entire spectrum of testimony provided by
18 Mr. Speckin.

19 The nature of the presentation by plaintiff,
20 as I understand it, is going back to the system being
21 overwhelmed and not performing the inspection at all.

22 This is not a revisit of how well it was
23 done. It's basically the -- the position that --
24 plaintiffs' position is that it's not physically possible
25 to perform even the rudimentary analysis, and so, as a

1 matter of pleading and evidence, I've allowed them to
2 present the evidence that they have on that.

3 I understand and I will acknowledge that,
4 during the course of any of the testimony as there has
5 been up to this point, there's going to be crossover where
6 people are going to be talking about ideal situations or
7 would've been, could've been, should've been. Okay?

8 That's not the nature of the trial. The --
9 the nature of the trial that is before me is whether or
10 not it's physically possible to -- to do any inspection as
11 part of the proof, understanding I have been here for the
12 entire trial, and I have listened to all this. He
13 testified several days. It might've felt like several
14 days, but we've only actually been here a day and almost a
15 half.

16 MR. MORGAN: That's right, Your Honor.

17 I -- just for purposes of clarification
18 then, Judge, it would be cumulative, and here's why. We
19 had an entire day of testimony from their witnesses
20 testifying it actually happened. So, again, he's going to
21 process.

22 THE COURT: I understand your position.
23 Truly, I do. Okay? But I've already made the ruling. I
24 addressed this mostly in the motions before trial, and
25 it's -- it's not possible to completely clarify

1 everything.

2 So I'm taking the time right now to say I'm
3 inclined to know -- let -- let him testify with regard to
4 these matters, knowing that there will be some wash-over,
5 if you want to call it that, that goes to process;
6 however, this is a bench trial. Okay?

7 And I've -- I tried to make that clear in my
8 ruling before trial and related to excluding witnesses
9 wholesale in that I believe that I'm capable of sifting
10 through that and discerning where the line is being
11 crossed. Okay?

12 Now, if we get too far afield, I have
13 absolute faith that you will step up and point that out to
14 me. Okay? So --

15 MR. MORGAN: Of course. Thank you, Judge.

16 THE COURT: -- this is a long-speaking
17 ruling on an objection that you're not used to, because I
18 have long-speaking objections, which I have allowed and
19 even encouraged.

20 Okay. Mr. Olsen, is there anything to add?
21 Did I get it?

22 MR. OLSEN: Yes, Your Honor. I think you
23 got it.

24 THE COURT: Let's -- oh, and by the way,
25 what happened yesterday in terms of my willingness to

1 accept any -- any defendant's objection as being joined by
2 all the rest of the defendants holds true today and
3 throughout the rest of the trial. Okay?

4 MR. MORGAN: Thank you, Your Honor. You
5 know we don't feel good unless we're talking.

6 THE COURT: I'm the opposite.

7 Mr. Olsen, please proceed.

8 MR. OLSEN: Your Honor, I'm going to re-ask
9 the question because I'm not sure he answered it.

10 THE COURT: Thank you.

11 BY MR. OLSEN:

12 Q. Mr. Speckin, what is your understanding of the
13 variables at issue in this case with respect to signature
14 verification as performed by Maricopa County employees in
15 elections?

16 A. So, to be more specific, there's a statute that I
17 was provided, and it's been discussed, 5 -- 16-550, I
18 believe is the number, that says what is to happen under
19 law with early voting ballots, and it says they should
20 be -- they shall be compared.

21 So my understanding is: Were they compared,
22 could they be physically compared, under the definition of
23 compared, in the time that the data shows that they were
24 compared?

25 Q. Is there an issue with respect to something

1 that's been called as an FBI black box cake -- black box
2 case that is relevant to any opinion you might offer here?

3 A. I don't know that it's relevant to the opinion.
4 It's relevant that I've been involved, and it would be
5 part of my training and experience. So it would naturally
6 factor into my opinion, but there's not a direct
7 correlation of study says A, and therefore B, but I have
8 knowledge, and it's part of my knowledge base.

9 MR. MORGAN: Objection. Relevance.

10 THE COURT: Well, I think he asked the
11 question, and I got the answer. Thank you.

12 MR. OLSEN: Thank you, Your Honor.

13 BY MR. OLSEN:

14 Q. Have you published any papers on the subject of
15 handwriting and document examination?

16 A. Yes. I've published and presented papers,
17 including a chapter in an encyclopedia on the subject.
18 I've presented papers at meetings. I've presented as part
19 of workshops, the various organizations, primarily not on
20 doing the examination but on expressing terminology and
21 conclusions, perhaps, more directly. But the chapter in
22 the encyclopedia is on doing the work and how to detect
23 it.

24 Q. And, Mr. Speckin, have you reviewed any data
25 provided by Maricopa County with respect to timestamp log

1 data on the performance of signature verification workers
2 in the 2020 -- 2022 general election?

3 A. Yes.

4 Q. And are you prepared to testify about your
5 conclusions and analysis drawn from that data?

6 A. Yes.

7 Q. Does that data directly relate to the ability of
8 a signature verifier to compare a -- to compare a
9 signature on a ballot envelope with the record signature
10 of the voter?

11 A. Yes. Based on the time that's spent or the
12 average time or however you want to phrase that, as to
13 whether that can physically be done. If there's a
14 limitation that you could actually compare, which is to
15 look at two or more things to see similarities and
16 differences -- that's what a compare is -- if that could
17 be done at the speed at which the data shows it was done.

18 Q. And what you're talking about is to compare
19 signatures?

20 A. To compare signatures because that's what -- the
21 question is whether that's what's being compared, one set
22 being the one at issue on the ballot envelope, the other
23 being one or more known signatures from some historical
24 retrieval process.

25 Q. And is it your understanding that the comparison,

1 as that word is defined and used in A.R.S. 16-550, that
2 the determination is whether or not the signature is
3 consistent to?

4 A. Yes. If you read the statute, the next sentence
5 says, if it's inconsistent, this is what you do. So,
6 clearly, the selection process is consistent or
7 inconsistent based on that. It's either A or B. And
8 that's what the level I users have for inputs, it's A or
9 B. They have two.

10 MR. OLSEN: Your Honor, at this time,
11 plaintiffs would move to admit Mr. Speckin as an expert to
12 testify on the ability of Maricopa's signature
13 verification workers.

14 THE COURT: Okay. Arizona doesn't do that.

15 MR. OLSEN: Oh, I apologize.

16 THE COURT: It's okay. I know some
17 jurisdictions do. Arizona just requires that you have
18 education, knowledge, training, or experience under Rule
19 702 to opine on a certain matter. The rest of it goes to
20 foundation.

21 I'm jumping over Daubert, gentlemen.

22 But the rest of it goes to foundation for
23 each question, so...

24 MR. MORGAN: For the record only, Your
25 Honor, and because the question was asked, we would object

1 just to preserve the record, but I understand the Court
2 thinking --

3 THE COURT: I understand. And it's
4 preserved for all defendants.

5 So there won't be -- I just told you. We
6 don't do that. You just ask your questions, and then, if
7 they have an objection on foundation, they can raise it.
8 But let's proceed.

9 MR. OLSEN: Understood.

10 I have no further questions with this
11 witness at the time, Your Honor.

12 MR. MORGAN: May I, Your Honor?

13 THE COURT: You may.

14 MR. MORGAN: Thank you.

15 Your Honor, can we have five minutes,
16 please, quick recess just to assess how much
17 cross-examination we may or may not need to do? I'm
18 willing to -- I'm willing to exceed the six to seven
19 minutes it will take of our time.

20 THE COURT: If five minutes is going to save
21 me 30.

22 MR. MORGAN: Correct. Could. It could. It
23 could.

24 THE COURT: Then I'm willing to give you the
25 five minutes.

1 MR. MORGAN: Thank you, Judge.

2 THE COURT: So we will recess for five
3 minutes and return.

4

5 (Recess taken.)

6

7 MR. OLSEN: Your Honor, before he continues,
8 may I just make a statement for the record?

9 I believe there been --

10 THE COURT: Let me go back on the record
11 officially before we do this.

12 Okay. We are continuing back on the record
13 in CV2022-095403, Lake versus Hobbs, et al.

14 And present for the record are either
15 parties, party representatives, or their appearance being
16 waived, and counsel for all parties.

17 Mr. Olsen?

18 MR. OLSEN: Yes, Your Honor.

19 I just want to make it clear I was not
20 resting our case or dismissing this witness from our
21 standpoint.

22 When I originally offered him as an expert,
23 and Your Honor admonished that's not the way it's done
24 here, I was merely saying that I was done -- had no
25 further questions at this time, and so -- and then I was

1 going to allow -- let the other side know that I had
2 nothing further at this time.

3 I believe that counsel may believe -- may be
4 arguing that we did not intend to call this witness for
5 any further questioning, and so I just want to make it
6 clear we're not done with questioning this witness on its
7 substantive opinions.

8 That's all, Your Honor.

9 THE COURT: Wait a minute. I need to
10 understand something. If you tell me that you have no
11 further questions on direct, if they have no questions on
12 cross, there's no redirect, and then you'd rest your case.
13 You don't have any other witnesses, correct?

14 MR. OLSEN: Well, but that was not my
15 intention, Your Honor.

16 MR. MORGAN: He said no further questions.

17 THE COURT: Wait. Wait. Wait. I'm not
18 going to --

19 MR. MORGAN: I'm sorry.

20 THE COURT: Hold on a second. Explain to
21 me, Mr. Olsen.

22 MR. OLSEN: Yes, Your Honor.

23 All I was saying is that we were done at
24 this time because counsel was jumping up to question just
25 as he did. I just wanted to let him know that we were not

1 done with -- we were done with the initial presentation to
2 allow them to voir dire the witness.

3 THE COURT: Oh, wait a minute. Okay.

4 MR. BLEHM: If -- if I may, Your Honor.

5 THE COURT: No. One lawyer per -- per
6 person. But -- but with, all due respect, Mr. Blehm,
7 here's what I'm getting to.

8 If you're telling me that you are done
9 laying foundation for his qualifications to render
10 opinions, then I would expect that you'd proceed right
11 into his opinions in the case because when you tell me, I
12 have no further questions, that means I'm done with
13 direct.

14 Then it's their decision as to whether or
15 not they cross. If they don't cross, there's no redirect,
16 so the witness is done. And the only other way he comes
17 back to testify is if they put on a rebuttal case. If
18 they elect not to put on rebuttal, he doesn't come back
19 because there's nothing to rebut if they don't want on
20 anything further.

21 So I'm trying to -- I'm not trying to lay
22 anybody's strategy out here and flay it open, but I also
23 don't want some type of high-level chess going on with
24 somebody claiming later on the rug got pulled out from
25 underneath them.

1 So either -- if you have questions of him
2 that relate to this case, and you can put them on at this
3 time, you have to put them on. Rebuttal is saved for
4 things that you didn't anticipate but were raised by the
5 other side in their case and then move on. I feel like
6 I'm teaching a seminar up here.

7 So have you --

8 MR. OLSEN: Your Honor, I do have further
9 questions of this witness.

10 MR. MORGAN: Your Honor, I object. You are
11 teaching a seminar. It's not my fault they don't
12 understand basic procedure. He rested.

13 THE COURT: No. He didn't rest. He said, I
14 have no further questions for the witness.

15 MR. MORGAN: Fair. Fair. I'm using a term
16 of art. My apologies. He stopped -- he ceded the witness
17 to me.

18 THE COURT: Right.

19 MR. MORGAN: It's now my turn to cross or
20 not cross, and we proceed from that. That's how we do
21 this, Your Honor.

22 MR. OLSEN: I would ask the Court's
23 indigence. Given everything that has gone on, I clearly
24 was not done with the --

25 THE COURT: What happens -- what happens is

1 this, and you, Mr. Morgan, I understand your position, but
2 you're also very familiar with a request to reopen that
3 somebody makes. You haven't spent your cross-examination,
4 and then, you know, put yourself in a position where I'm
5 re-allowing this.

6 At this particular time, it's -- it would be
7 a hyper application of procedure over substance to have
8 that happen.

9 MR. MORGAN: I understand the Court's --

10 THE COURT: I understand you do.

11 MR. MORGAN: Yeah.

12 THE COURT: I understand you do. And what
13 I'm trying to do, too, is to protect the argument because
14 I don't want an argument later that a request to reopen
15 should've been granted, and I'm not coming back, to be
16 blunt with you, seven months from now to find out somebody
17 took a different view than me.

18 MR. MORGAN: I understand completely.

19 THE COURT: Okay.

20 MR. MORGAN: I do.

21 THE COURT: Now that we've addressed the
22 800-pound gorilla in the room. Okay?

23 MR. LARUE: Your Honor, before you rule, I
24 understand what Your Honor is about to rule, but may I
25 make my record very quickly?

1 THE COURT: You absolutely may.

2 MR. LARUE: Thank you, Your Honor.

3 For the County, I join the Secretary of
4 State's objection, and I would add that, under our Rules
5 of Civil Procedure, an attorney admitted pro hac vice is
6 expected to understand our procedure and understand our
7 rules, and I disagree with Your Honor's ruling. I respect
8 it, but I disagree with Your Honor's ruling that he is
9 making.

10 Thank you, Your Honor.

11 THE COURT: Thank you Mr. LaRue.

12 MS. DANNEMAN: Thank you, Your Honor.

13 Just so the record reflects, the Governor
14 also joins in this objection and would request that no
15 further questions be asked of this witness.

16 THE COURT: All right. I'm going to take it
17 that every one of the defendants joins in what Mr. LaRue
18 just told me. If I'm mistaken in that, stand up and tell
19 me; otherwise, you're joining with Mr. LaRue.

20 I don't hear anybody telling me opposite.

21 Okay. Thank you.

22 MR. MORGAN: May I approach and retrieve my
23 exhibits?

24 THE COURT: Yes.

25 MR. MORGAN: Thank you.

1 MR. OLSEN: Thank you, Your Honor.

2 BY MR. OLSEN:

3 Q. Mr. Speckin, is there a difference in verifying
4 an individual signature to determine if they are
5 consistent versus verifying signatures on a large scale to
6 determine if the signatures are consistent such as
7 occurred in the 2022 general election?

8 A. Yes. There's typically a difference, number 1,
9 in application. So, for instance -- for instance, if you
10 had just one signature, the consequences of that decision
11 could be extraordinary if it is a genuine signature or
12 not.

13 When you have 1.3 million, each individual
14 one, of course, has less consequences, and I'm not
15 discounting the argument yesterday of how important it is
16 for your right to vote. I value mine, like everyone else
17 does. I'm not saying that. I'm saying in a mass, it's
18 not as big a deal.

19 Number 2, the time to set up.

20 And number 3, the tools and technology and
21 staff at your disposal to set these up, such as we heard
22 about the process of how they're scanned and how other
23 records are located that are similar, how they're inputted
24 on the screen with user interface and so on.

25 That's not something that you would do if

1 you just have one signature at issue. That wouldn't make
2 sense. So, of course, there's differences, yes.

3 Q. Are there differences in the way two signatures
4 would be compared, whether it's an individual one or a --
5 on a large scale?

6 A. I don't think there would be a substantive
7 difference in the way it's done. The level of detail and
8 amount of time would go proportionally down typically with
9 the amount of signatures at issue if we're talking about
10 the task and the consequences and the layout of the
11 individual matter.

12 But in a sense, what you would look for,
13 like the broad and local characteristics that were
14 discussed yesterday, those don't change. That's how a
15 comparison is done. You're looking for similarities and
16 differences. That's what it means to compare. I'm
17 looking to see if two things are the same or different.

18 Q. And are you familiar with the -- the system by
19 which Maricopa employs to verify signatures at the level I
20 signature verification worker status?

21 A. As far -- my familiarity, as far as what a level
22 I level worker would do, see, be presented with, I would
23 say I'm very familiar, as familiar as you can be without
24 sitting in front of the terminal.

25 As far as, like, how the -- was scanned in

1 to get to them and who did it and where it came from, I
2 heard the talk yesterday, but I wouldn't say that I
3 totally understood that. In general terms, I do, but I
4 don't know the players like everyone else in the room
5 probably does.

6 Q. What did you do to familiarize yourself with how
7 signature verification is being performed in Maricopa, and
8 specifically in the 2022 general election?

9 A. Specific to 2022, I talked to people that were --
10 number 1, trained in the process. I investigated who did
11 the training, and it was someone that I was aware of.

12 Q. Who's that?

13 A. Kathleen Nicolaides that we talked -- and I may
14 be pronouncing her last name wrong 'cause -- it's not
15 intentional. I don't know her to that level, if I am.

16 I talked to people that did level I
17 signature review, including one of the witnesses that we
18 heard from yesterday. I heard Mr. Valenzuela at length
19 discuss the process of where it comes from, how it's done.

20 I've seen the video of people doing it.
21 I've seen other videos of people doing it, as well. It
22 wasn't just the clip that we saw in court. I've seen, I
23 don't know, maybe hours of different videos of people
24 doing this process screens flashing, things like that.

25 That's -- and of course, my own knowledge of

1 how comparisons are done are consistent with what their
2 training was.

3 Q. Did you review any of the training materials that
4 had been provided by Maricopa County to signature
5 verification workers?

6 A. Yes, I believe there was one provided by Jackie
7 Onigkeit, I think is how you say it, or Jacqueline, and
8 there was another one attached to some discovery at some
9 point. I don't remember whose declaration it was about
10 training procedures. I've reviewed the EPM, the
11 procedures of Maricopa County, and I've reviewed the
12 training materials of the Secretary of State that have
13 been discussed that's a low-numbered exhibit. I think it
14 was 1 or 2.

15 Q. Have you operated the signature verification
16 system employed by Maricopa County?

17 A. No.

18 Q. Does that affect the opinions you would give
19 today?

20 A. I don't think so, no.

21 Q. Why not?

22 A. Because the inputs, what you're going to do, how
23 you're going to do it, and the basis of what I already
24 know is sufficient to draw the opinions that I did. If
25 someone were to ask me, what key stroke does what

1 function, of course I don't know that, but that doesn't
2 factor into the opinions they've that I have.

3 MS. DANNEMAN: Your Honor, objection.
4 Again, performance is not at issue. It's whether they
5 performed the analysis or not. Object on relevance
6 grounds.

7 THE COURT: I'm going to take that as a
8 continuing objection --

9 MS. DANNEMAN: Okay.

10 THE COURT: -- to all this line of
11 questioning for this witness, joined by every one of the
12 defendants.

13 MR. LARUE: Thank you, Your Honor.

14 MR. MORGAN: Thank you, Your Honor.

15 MR. LIDDY: Thank you.

16 THE COURT: Mr. Olsen?

17 BY MR. OLSEN:

18 Q. And in forming your opinions, did you review data
19 provided by Maricopa County that is listed -- or contained
20 in plaintiffs' Exhibit 20?

21 A. I don't have the exhibit number positively to
22 memory, but if that's the CD-ROM that had the data related
23 to a public records request that was admitted, then yes,
24 that's what I reviewed.

25 Q. Okay. And can you describe what you did in

1 assessing that data?

2 A. The first was to assess the amount of time that
3 each key stroke -- well, no. I should back up.

4 The first thing I did is look at the e-mail
5 chain describing what the data was, what was requested,
6 and what was provided.

7 So I looked at the chatter, if you will,
8 exchanges between the two ends of the terminal in
9 providing that data by link would -- that we're talking
10 about.

11 After that, then I looked at the data to
12 determine how it could be distorted and what could be
13 interpreted from that.

14 The main piece -- or the two main pieces
15 would be percentage, in other words, the percent of pass
16 or fail or what we'd called, I think, good signature or
17 exception. I -- I prefer not to use the word "exception"
18 today, not -- not because it's not a good word in the
19 English language or it doesn't fit the bill, but because
20 it sounds too close to accept, and when someone is
21 taking it down or hearing it, they might mistake it, and I
22 don't want to be misinterpreted in what I say. So, for
23 purposes of this, if I just say pass or fail at level I, I
24 think we all know what I mean, I hope. But exception is
25 something that's -- I've had problems when people talk to

1 me with that word.

2 And then calculate the time between each of
3 the successive key strokes to figure out how long each of
4 these data entries is taking to make the next 1.

5 In other words, from the time you draw a
6 conclusion on one set of signatures in front of you, to
7 how long you draw the conclusion on the next is what the
8 data is allowing to be determined.

9 So the very first one, when you log in, we
10 don't have a data point for that one, because there wasn't
11 something before that showing a decision was made in the
12 data logs. You just have the first one and then every
13 subsequent one of a determination to that.

14 Q. Did that -- are you familiar with the video that
15 was marked -- entered as Exhibit 19 of the gentleman
16 performing signature verification work?

17 A. Absolutely. I was here all day yesterday, and
18 I've seen it before that, as well.

19 Q. Is that activity represented in the data that you
20 reviewed that is Exhibit 20?

21 MS. DANNEMAN: Objection, Your Honor.
22 Vague.

23 THE COURT: Okay. If you've understood the
24 question, you can answer it, Mr. Speckin. If you don't
25 and need clarification, I'll have it rephrased. If you

1 don't understand it, tell me. Don't guess. Ask for it to
2 be rephrased. If you're able to answer it, sir, you can
3 answer. If not, I'll have the question rephrased.

4 THE WITNESS: The answer would be yes, in
5 two parts. So it's there on a whole of what that data
6 looks like with repeated speed and also for that user at
7 specific points in time.

8 So the answer to the question is yes in two
9 different parts, the trend of what the data looks like for
10 someone clicking quickly like that, and then, secondly,
11 the data is present for that user at those time frames, as
12 best I can tell, keeping in mind the computer clock may
13 not be synced to the second with the video feed clock, but
14 it's close. You can determine who it is.

15 BY MR. OLSEN:

16 Q. Can you describe further what you did to analyze
17 the data provided by Maricopa County that is Exhibit 20?

18 A. Well, once those fields are created -- so the
19 data field that were already given of voter ID, user, date
20 and timestamp, and disposition are created, and then the
21 additional field that I just talked about with the amount
22 of time between key strokes is created -- then you can
23 query through Microsoft Access or similar databases, that
24 data, to look for what you would want to look for.

25 In other words, you can certify -- filter by

1 a certain user, you can filter by a certain day, you can
2 filter by a certain speed, you can filter by all the users
3 at a specific time, you could filter by any sort of
4 if-then statements, if this, then provide it, or if not
5 this, then provide it, and you can use greater than, less
6 than, equal to, greater than or equal to, less than or
7 equal to, any of the numbers that we talked about.

8 So, for instance, you can say less than or
9 equal to 5 seconds or less than and equal to 2 seconds
10 between key strokes or greater than or equal to an hour,
11 if you wanted to see when someone took a break.

12 Whatever the case may be, you can use the
13 data through a database tool or database program like
14 Access to query a myriad, many, many, many, perhaps even
15 close to an unlimited number, of different reports or
16 ideas that you would want to see.

17 Q. Is this similar to --

18 THE COURT: Wait one second.

19 Mr. Speckin, you have a tendency to speak
20 fast.

21 THE WITNESS: I've heard that before, Your
22 Honor. I'll work on it today.

23 THE COURT: Well, for the sake of my court
24 reporter who doesn't want carpel tunnel, just speak
25 slower, and it will -- it will help the record.

1 THE WITNESS: I will do that. I'm sorry.

2 BY MR. OLSEN:

3 Q. Is that similar to, for example, operating an
4 Excel spreadsheet?

5 A. Yes. In that Access is typically used for
6 datasets that are larger. So Excel doesn't necessarily
7 have a cutoff, that I'm aware of, or the number of
8 datasets, but when start getting into the thousands and
9 thousands and over a hundred thousand, it doesn't work as
10 well, and Access is a better tool, but it's similar
11 queries.

12 MR. MORGAN: Objection, Your Honor, to this
13 line of questioning and the question that was just asked.
14 There's been no foundation whatsoever laid for this
15 witness to be an expert in statistics, statistical
16 analysis, or in electronic databases. I would ask the
17 Court to -- to strike the testimony that we just heard.

18 THE COURT: Okay. All right.

19 MR. OLSEN: Your Honor, may I before?

20 THE COURT: Yes, go ahead, Mr. Olsen.

21 MR. OLSEN: To lay foundation, there's no
22 particular expertise required to operate an Excel
23 spreadsheet. It's no different than the secretary
24 operating Microsoft Word. And I would like to lay the
25 foundation to that.

1 THE COURT: All right. The response tells
2 me that you're not offering him as a person to do
3 statistical -- statistical analysis.

4 MR. OLSEN: Correct.

5 THE COURT: And I think it's much like
6 Mr. Valenzuela, who said, I can read a spreadsheet, I know
7 what the data is when you present it to me in a report
8 format. He does have some expertise in terms of
9 interpreting what that means.

10 And I may have mis -- I may have
11 underestimated or understated Mr. Valenzuela's
12 capabilities, but I believe I heard something similar.
13 So, to the extent that the witness is relying on
14 spreadsheet data, he can -- he can do that, subject to
15 your cross, but he's not being offered for an expert on
16 statistical analysis, per se, correct, Mr. Olsen?

17 MR. OLSEN: Yes, Your Honor.

18 THE COURT: Then that's fine. Go ahead.

19 MR. MORGAN: Thank you for the
20 clarification, Judge.

21 THE COURT: Go ahead and proceed.

22 BY MR. OLSEN:

23 Q. Are the tools that were employed to access the
24 data on the -- that would've been produced by Maricopa
25 standard, off-the-shelf tools, common in -- common usage,

1 in your opinion?

2 A. Yes. Access is a Microsoft product. I assume
3 you can buy it at Best Buy, or you can buy it online for
4 Microsoft. It's not -- it used to be packaged as part of
5 their Office Suite, but I don't know if it currently is.
6 I think you can buy it as such. I'm not in charge of
7 purchasing, so I can't tell you, but it's a very common
8 software that Microsoft makes for this application.
9 Absolutely.

10 Q. Did you work with anybody in accessing this data?

11 A. Yes, I did.

12 Q. Who?

13 A. I worked with Chris Handsel, the one who
14 testified yesterday about the receipt of the data.

15 Q. And what -- what did you do with Mr. Handsel?

16 A. We worked together to run reports for things that
17 I wanted to see. Typically, I would give him the inputs
18 and say, I want to see the data for X user with less than
19 these seconds or all users that had this type of activity,
20 whatever the query was.

21 And we used the wizard function, which is
22 part of the commercially available Access that creates the
23 process by which Access searches, which, in a sense, is a
24 foreign absolute that's used like basic programming is how
25 it looks.

1 MR. MORGAN: Again, Your Honor, I'm going to
2 object for the record. What I'm hearing his testimony
3 about statistical analysis. I was just told by counsel
4 he's not being offered to give any opinion on -- or
5 testimony on statistical analysis. Yet here we are. I,
6 again, move to strike.

7 THE COURT: Okay. I'm going to explain to
8 you my -- when I use the term "statistical analysis," I'm
9 talking about the interpretation of the data. If they're
10 talking about sorting data, I don't believe that's
11 statistical analysis.

12 MR. MORGAN: I agree.

13 THE COURT: And so, therefore, what I'm
14 hearing is the spreadsheet is being used as a program to
15 respond to specific queries that the witness has posed to
16 the person who's assisting him, give me the data sorted
17 for these criteria.

18 If that's the way that the system functions,
19 that's fine. Applying statistical analysis to that goes
20 beyond the scope, or its interpretation.

21 MR. MORGAN: I just -- sorry. I'm so sorry.
22 I apologize.

23 Yeah. No. I agree, Your Honor. I just
24 want to make sure I'm on the same page, too, because I did
25 object. It's one thing to sort tabs and testify that you

1 did so. It's another thing to testify that the end
2 results you received, it's my opinion they're correct.
3 He's not a statistician. I think we've established that.

4 THE COURT: I don't follow the argument
5 that -- there's not an opinion in front of me that's been
6 offered.

7 MR. MORGAN: No. I agree. I felt like we
8 were getting there, and that's why I stood up.

9 THE COURT: And that's fine. When I get to
10 that point, if there's an application of statistical
11 analysis, I expect that you'll object at that point.

12 Right now, what I've got is data sorted by
13 categories and reports being run. In other words, he's
14 asked for -- if he asked for a report that says if it's in
15 the database, everybody named John, he would get that,
16 input. Statistically how that impacts his opinions,
17 different matter.

18 MR. MORGAN: Understood.

19 THE COURT: Okay?

20 So, at this point, that's as far as we are.

21 MS. DANNEMAN: Your Honor, if it is sorting
22 the data, that is one thing, but he testified that is
23 making inquiries or drafting queries to the Excel
24 spreadsheet. That sounds like something that that is
25 statistical analysis to me, and I would object to his --

1 his testimony about whatever queries he's drafting.

2 THE COURT: Okay. All right. I would -- I
3 disagree with you. I would agree that if the question
4 were phrased that I used a program to generate statistical
5 analysis of the data, I would agree with you. But right
6 now, all I hear is data sorting, so...

7 MR. MORGAN: We're on the same page. Thank
8 you, Judge.

9 MR. LARUE: Thank you, Your Honor.

10 BY MR. OLSEN:

11 Q. Mr. Speckin, the data that -- strike that.

12 Can you describe again what you did with --
13 in working with Mr. Handsel to extract data?

14 A. So maybe it's easier if I just give an example.
15 So I would say let me see all the key strokes and
16 determinations that were made less than 3 seconds from the
17 time the last key stroke was made or determination was
18 made. That would tell me all the times that they did it.

19 From there, I can calculate which users did
20 it, how many times the users did it, how many times that
21 input was -- whatever the determination was, whether it
22 was passed, failed, whatever it was. You can determine
23 that from the answer that you get.

24 Q. And is that data that's been extracted under
25 those criteria just simply sorted by time?

1 A. Perhaps filtering is a better adjective than
2 sorting. I'm not disagreeing with sorting, but I'd say
3 filtering.

4 Q. Is there any statistical analysis involved in
5 your opinion?

6 A. The only statistical analysis is calculation of
7 an average of certain set of numbers, like what's the
8 meaning. That's something that I think you don't need to
9 be a professional statistician to know you sum it up and
10 divide it by how many you had.

11 I think that's the only -- and if you count
12 a percentage outcome of statistics -- I wouldn't, but if
13 someone wanted to be super technical, how many were this
14 related to this, that's a simple division, but those would
15 be the only rudimentary statistics, but we're not talking
16 student T test or standard deviations or anything like
17 that. I'm not.

18 Q. You're talking about calculating an average,
19 which is what is done in sixth grade and requires no
20 special expertise, correct?

21 A. Or even before sixth grade, I a hundred percent
22 agree, yes.

23 MR. OLSEN: Your Honor, we had, when we
24 started --

25 THE COURT: Okay.

1 MR. OLSEN: -- talked how we were going to
2 have Exhibit 47, which was the complete version of 18. I
3 don't believe -- I have everything here. I don't believe
4 we've -- we haven't put anything in the record to submit
5 it.

6 THE COURT: Well, it hasn't been marked yet?

7 MR. OLSEN: Well, we have the blue sheets on
8 it, and it has not been marked yet, but it -- when we
9 submitted, Your Honor, the exhibits, Exhibit 18, as I
10 said, was -- every other page was not. So --

11 THE COURT: All right.

12 MR. OLSEN: -- I can use Exhibit 18 because
13 it doesn't change anything.

14 THE COURT: No. No. No. We're not doing
15 that, unless -- if you're going to admit 18 and you're not
16 going to put in 46, you can do that, but I thought the
17 whole purpose of marking the other exhibit was
18 completeness.

19 MR. OLSEN: Yes, Your Honor.

20 THE COURT: Don't even suggest that you want
21 to use the half one then because you don't get to
22 duplicate. So, if you're going to use 46 right now, if
23 you're going to have it marked, I thought it was marked,
24 because I believe that I wanted a --

25 MR. MORGAN: You asked -- you did ask him to

1 mark it this morning.

2 THE COURT: That's fine. You haven't got it
3 marked?

4 MR. BLEHM: I believe it's 47, Your Honor.

5 MR. OLSEN: Is it marked?

6 MR. MORGAN: It's 47.

7 THE COURT: Thank you. And my clerk tells
8 me that 47 has been marked, and she has it. It should be
9 up here.

10 MR. OLSEN: Yes, Your Honor. My apologies.

11 THE COURT: You don't have anything
12 different in your hand, do you, than Exhibit 47?

13 MR. OLSEN: No.

14 THE COURT: Wonderful. That's good news.

15 So did you have questions about Exhibit 47
16 that you were going to ask?

17 MR. OLSEN: Yes, Your Honor.

18 THE COURT: Okay.

19 MR. MORGAN: As long as what we're doing is
20 laying foundation, I'm okay with that. I can -- I can see
21 how it progresses. I just didn't know what we were doing.

22 THE COURT: Thank you.

23 Is that where we're at, Mr. Olsen?

24 MR. OLSEN: Yes, Your Honor.

25 THE COURT: Please then.

1 Well, first, you're going to talk about
2 Exhibit 47. You're going into what it is. I was -- the
3 earlier objection that some of the State's counsel had was
4 that -- to the actual foundation as in custodian of
5 record, like this is the complete and accurate copy,
6 because the original exhibit, number 18, was missing every
7 other page --

8 MR. OLSEN: Yes.

9 THE COURT: -- because it was only copied
10 halfway. And as I recall the objection that counsel had
11 was this was late disclosed because we only had every
12 other page.

13 And so I had asked that 47 be made available
14 to them so that they could inspect it and look at it, and
15 I understood that the argument you were going to have is
16 that this is the data that came from them that's
17 transposed onto the exhibit.

18 MR. OLSEN: Yes.

19 THE COURT: So it's not something that's
20 newly discovered, but it's supposed to be something that's
21 marked and exchanged as an exhibit ahead of trial so that
22 they know -- everybody knows what the evidence may be, but
23 what's actually going to be presented is a different
24 thing. And so has -- has the State had the chance to
25 inspect Exhibit 47?

1 MR. MORGAN: Your Honor, only in so much
2 that I've got a copy of it, and I've looked at it, and
3 what I'll tell the Court is, one, it appears to be, again,
4 statistical conclusions, and one, based on the testimony I
5 just heard with respect to another exhibit, it appears
6 that this may not even have been created by this witness,
7 and we have foundational problems.

8 THE COURT: Okay. Then maybe I'm working
9 under a misunderstanding. I thought that Exhibit 47
10 represents nothing more than a physical printout in
11 written format of the data that was provided by the
12 County. If it's a product of analysis and a summary of
13 the witness, then, at this point in time, that makes sense
14 that you're laying the foundation by talking to the
15 witness about how the witness created it.

16 Is this something created by this witness?

17 MR. OLSEN: Yes, Your Honor.

18 THE COURT: Okay. Now I understand.

19 Okay. All right. So we're going to go
20 through that with Mr. Olsen laying the foundation. So now
21 I understand it's not a custodian of record. It's he
22 created it, meaning he, meaning the witness, and you're
23 going to tell me the basis for it.

24 MR. OLSEN: Yes, Your Honor.

25 THE COURT: Let's get started.

1 You wanted to play a video; is that right?

2 MR. OLSEN: We wanted to put the exhibit up
3 on the screen.

4 THE COURT: Oh, fine. It's not a jury
5 trial. It's a bench trial. So go ahead.

6 MR. OLSEN: And, Your Honor, may I approach
7 the witness and give a hardcopy.

8 THE COURT: You absolutely may, Mr. Olsen.

9 MR. MORGAN: Your Honor, while he's doing
10 that, may I please move this television screen.

11 THE COURT: You may do so, absolutely,
12 Mr. Morgan.

13 In fact, if you want to --

14 MR. MORGAN: Thank you, Judge.

15 THE COURT: All right. Now we're working
16 on -- just to be overkill here, we're working on Exhibit
17 47, right, everyone?

18 MR. OLSEN: Yes, Your Honor.

19 BY MR. OLSEN:

20 Q. Mr. Speckin, do you recognize what has been
21 marked for identification as Exhibit 47?

22 A. I do.

23 Q. And what is this document?

24 A. This is a summary table of the data related to
25 user number, how many total verifications they did over

1 the period of time that was given for the data -- the
2 election cycle for the general is what was requested --
3 the verification rate to how many of the key stroke
4 entries were to what I said earlier, just quite simply, is
5 pass, or good signature, related to the other key strokes.
6 And then, as we move to the right, the speed at which
7 those verifications or comparisons or determinations were
8 done.

9 So, when we get to the first column, it says
10 in less than or equal to 5 seconds. Just to clarify,
11 that's an integer-based search. So it means if the
12 integer --

13 MR. LARUE: Your Honor, I'm sorry for
14 interrupting the witness, but he's testifying about what
15 this document says. The foundation has not been laid, and
16 we're still objecting on the basis of the foundation for
17 this, but he's beginning to offer testimony about what the
18 document says.

19 THE COURT: Okay. All right. I may have
20 overlooked something. Let's go to how it was physically
21 created or who created it, if you would. I believe that's
22 where you're coming from.

23 MR. LARUE: That's correct, Your Honor.
24 Thank you.

25 THE COURT: Please.

1 BY MR. OLSEN:

2 Q. Can you describe how this document that's been
3 marked for identification as Exhibit 47 was created?

4 A. Yes. It was created at my direction using
5 several different queries and Access tool to look at the
6 column headings that are present there. Of course, the
7 worker, or the user number, is a data field that was given
8 in the data. The others are generated from the
9 verifications or the key strokes that they gave, the
10 number of them, and I started saying what the other things
11 are, but it was created at my direction to demonstrate the
12 speed at which these comparisons were being made.

13 THE COURT: Mr. Morgan?

14 MR. MORGAN: Your Honor, yeah. We -- we
15 still renew our objection here, Your Honor. This
16 foundation has established merely that someone else
17 created the document, and we have serious concerns with
18 the underlying data that was used.

19 We don't know where the data came from, who
20 uploaded it, where did they upload it, how did they --
21 what buttons did they push, how did they do it? I'm not
22 trying to do the foundational exam for Mr. Olsen, but at
23 the end of the day, just to help ease things along, those
24 are the issues with our objections -- or I should say,
25 that's what -- those are the underpinnings of our

1 objection.

2 MS. DANNEMAN: Your Honor, I would like to
3 add to this objection. Again, this witness is not a
4 statistician. He's not qualified as such. He was not
5 disclosed as a statistician. His disclosure says he will
6 respond to opinions -- or he will testify about signature
7 verification processes.

8 He is -- someone put together a spreadsheet
9 and asked to do math and percentages based on numbers that
10 we don't know where they came from. This is far beyond
11 the scope of his expertise.

12 THE COURT: I think I can summarize that
13 you're objecting to the foundation for who prepared it,
14 how they prepared it, when they prepared it and gave it to
15 him.

16 Unfortunately, I believe the answer to those
17 questions is Mr. Handsel, who was in the courtroom until
18 about two or a minute ago in terms of exclusion of
19 witnesses, but I think that -- but keep in mind, this is
20 something that you -- you're talking about the foundation
21 of where the data came from. Okay? If -- if the data
22 was -- well, subject to them calling the witness that
23 actually created the document, we can take the testimony,
24 but it's only as if -- it's only relevant and has zero
25 weight, unless you establish the foundation. Okay?

1 This is doing it backwards, I agree. But I
2 think I'm capable of sifting that out. So that if you
3 require -- if you want them to call the person who
4 actually made the report and have that person testify
5 about how it was created, then we can do it, or you can --
6 they can either -- plaintiff can do it, or defendant can
7 do it, either one. Okay?

8 MR. LARUE: Your Honor, I appreciate Your
9 Honor's opinion and perspective. For the County
10 defendants, I want to again, say, on the record, that we
11 expect those who are admitted pro hac vice, and we
12 certainly expect Arizona attorneys to understand the rules
13 and how things are to be done.

14 I also want to say that I understand that
15 this is a bench trial, and I have the upmost confidence in
16 Your Honor's ability to separate these things and make
17 these distinctions.

18 But I remind Your Honor that this is being
19 live streamed.

20 THE COURT: Uh-huh.

21 MR. LARUE: And there are many people across
22 the county perhaps, perhaps across the state, perhaps
23 across America watching it, and they don't necessarily
24 make those distinctions that Your Honor is capable of
25 making.

1 And it is prejudicial to our client, the --
2 the County Recorder, to have something shown and testified
3 about that the foundation has not been laid for.

4 We don't know what the underlying numbers
5 are. We have no idea whether it was entered correctly.
6 And this will become the story among the people who are
7 watching this.

8 THE COURT: Let me put your minds just at
9 rest for a little bit. This really isn't as unusual as
10 you're pointing out for the reason that expert witnesses
11 testify all of the time in court, and exhibits are
12 admitted without any more foundation than for the expert
13 to say, yes, I relied on that, yes, I relied on that, yes,
14 I relied on this.

15 And then, when it comes time for
16 cross-examination, the other side may attack and say, this
17 is a completely invalid piece of evidence that you
18 considered in your report and ask, doesn't that undermine
19 your idea, if all your opinions are predicated on
20 something that has no foundation?

21 So it does happen all the time, but I
22 appreciate the need for foundation if it's offered for the
23 truth of the matter asserted, but again -- and that
24 happens in jury trials, not just bench trials.

25 So evidence that experts rely upon that

1 would will not otherwise be admissible can be admitted for
2 that limited purpose, and I appreciate the fact that there
3 may be people who are on live stream who draw wrong
4 conclusions or don't understand how the rules of evidence
5 work, the rules of procedure work.

6 All we can do here is follow the rules, and
7 I can do my very, very best, which is what I try to do to
8 make it that we follow the rules and have a fair
9 proceeding.

10 So, even if there is no foundation, this
11 witness can testify that he relied on it, and I will also
12 give you the opportunity -- and I'm sure I will hear an
13 able cross-examination on those issues --

14 MR. LARUE: Thank you, Your Honor.

15 THE COURT: -- to call the witness to lay
16 the foundation is up to the plaintiff, not this witness.

17 MR. MORGAN: Your Honor, on that issue,
18 just, again -- so I didn't say anything about that. I
19 will object to that if and when it does occur.

20 THE COURT: You what?

21 MR. MORGAN: I will object to that if and
22 when it does occur. I want to be clear, I'm not asking
23 for anyone to call off a witness that -- a witness that's
24 already testified after the rule has been invoked, and
25 he's been in court. Different issue for later, but I just

1 want make sure we're clear I didn't waive that.

2 THE COURT: You have not waived it.

3 MR. MORGAN: Thank you.

4 THE COURT: They can -- I have always taken
5 the objections you are making now to the admission of the
6 exhibit as a unique standalone exhibit.

7 MR. MORGAN: Correct.

8 THE COURT: If they were -- what I explained
9 to you about experts relying upon it would be based on the
10 attorneys saying, I'm not offering it for the truth of the
11 matter asserted; I'm offering it for truth of what my
12 experts relied upon. Different animals. Okay?

13 MR. MORGAN: Thank you.

14 MR. OLSEN: Thank you, Your Honor.

15 THE COURT: With that, the look of the clock
16 says it all.

17 We've got -- well, we've got about seven
18 minutes. I'm just trying to make this thing move along,
19 and I want to use the seven minutes. So go ahead and ask
20 more questions, and we'll end at noon. Okay?

21 Are we on track to -- where do you think
22 we're going to be at the end of the day?

23 MR. OLSEN: I think we may be done, Your
24 Honor, at least with witnesses.

25 THE COURT: Okay. Now then that's them.

1 Then you have a decision to make about what you want to
2 do, and that puts us pretty much on track for what I
3 allocated.

4 So thank you. Let's go ahead, Mr. Olsen.
5 Keep asking your questions, if you will.

6 BY MR. OLSEN:

7 Q. Mr. Speckin, you testified earlier that this was
8 a -- this document was made at your direction.

9 Did you actually participate in the creation
10 of it yourself?

11 A. Yes. I sat right there.

12 Q. And how did you participate in the creation of
13 this document?

14 A. I explained for this chart -- or this table, in
15 particular, exactly what I wanted for each column and how
16 to filter the data to get it.

17 Q. And do you under- -- do you understand that this
18 type of data is something that -- it's voluminous,
19 correct?

20 A. The raw data of Exhibit 19 or 20, whatever it is?

21 Q. Yes.

22 A. It's huge. It's million -- 1.4 million lines of
23 text with four columns per piece. It's big.

24 Q. And if somebody wanted to arrive at the same
25 conclusions in terms of the interval between key strokes,

1 that's something that would be -- you could do by hand.
2 It would just maybe take years?

3 MR. MORGAN: Objection. Form. Again, out
4 of an abundance of caution, I think I'm hearing a request
5 about mathematical certainties, calculations, and
6 statistics, Judge.

7 THE COURT: I heard the question to be
8 basically if he did -- if you performed the sort function
9 that Excel spreadsheet did, it would take you years.

10 Is that what you're asking?

11 MR. OLSEN: Yes, Your Honor.

12 THE COURT: If you did it by hand.

13 MR. MORGAN: Then foundation.

14 THE COURT: I don't know if he knows the
15 answer to that, how long it would take, but...

16 MR. OLSEN: I'm laying the foundation, Your
17 Honor. This has nothing to do with statistics. It's just
18 extracting data. That's all.

19 THE COURT: I can take judicial notice of
20 the fact that computers can do things faster than humans,
21 if you all want to do that, but...

22 MR. MORGAN: We'll stipulate to that, Judge.

23 MR. LARUE: Your Honor, the County
24 definitely stipulates to that. Thank you.

25 THE COURT: All right. Let's move on,

1 please.

2 BY MR. OLSEN:

3 Q. Does Exhibit 47 appear to be a true and accurate
4 copy of the chart that was created with your participation
5 and at your direction regarding the data extracted from
6 what has been entered into evidence as Exhibit 20?

7 A. Yes. Other than I have a black and white
8 version, but yes, I think a couple numbers might've been
9 in color, but it's absolutely accurate, yes.

10 MR. OLSEN: Your Honor, I would like to move
11 that this exhibit be entered into evidence.

12 THE COURT: For purposes of what your expert
13 has reviewed or for purposes of admission outright?

14 MR. OLSEN: For purposes of what our expert
15 has reviewed.

16 THE COURT: Any objection?

17 MR. MORGAN: No.

18 MR. LARUE: No.

19 THE COURT: It's offered for that limited
20 purpose and admitted for that limited purpose. Thank you.

21 MR. MORGAN: Thank you, Your Honor.

22 BY MR. OLSEN:

23 Q. Mr. Speckin, you were earlier testifying about
24 the top columns, headings, where it says verification rate
25 of 5 seconds -- or excuse me, verifications in less than

1 or equal to the integer of five seconds.

2 Do you see that?

3 A. Yes.

4 Q. Can you explain, once again, what those columns
5 relate to?

6 A. Yes. So, when the data was received, the time
7 clock or the date stamp -- date/timestamp was only
8 resolved to the actual second in nearly all the instances.

9 A few half to the millisecond, I don't know
10 how reliable that was, but nearly all of them was just to
11 the second, which is reasonable. I'm not being critical.

12 What that means, if I say I did this event
13 at X time, 12 o'clock noon, 12 o'clock, zero minutes, and
14 zero seconds, and I did the next event when the clock is
15 at noon, 0 minutes, and 2 seconds, you can imagine that if
16 I would've started it at the very beginning of the zero
17 and ended it right before it hit 3, that's 2.999 seconds.

18 Or if I was at the end of the zero seconds
19 when I started it and the very beginning, it would be just
20 over 1. So there's a range that can happen.

21 What this means is the integer was 5 seconds
22 or less between the subtraction. In common terms -- and
23 I'm sorry that this could be misleading, but in common
24 terms, it means 6 seconds or less that we can say with
25 certainty, that the action was 6 seconds or less.

1 Q. It actually means less than 6 seconds, correct,
2 because the integer goes up to 5.9999?

3 A. Depending on how that the data --

4 MR. MORGAN: Again, objection. Leading.

5 THE COURT: Okay.

6 MR. OLSEN: I'll withdraw.

7 THE COURT: Technically, it's leading --
8 technically, it's leading, but it's a rephrase of what he
9 said. I think I understood the question and answer.

10 Do you have another question?

11 MR. OLSEN: Yes.

12 BY MR. OLSEN:

13 Q. Can you just go through the headings on this
14 exhibit and explain what they mean?

15 A. Sure. So the first -- the easiest one is worker.
16 That's the -- what I heard was the -- the term I think was
17 anonymized user number. I'm assuming so they didn't have
18 to give the names of the people, which I always
19 understand. So each person was assigned a anonymous user
20 number.

21 Then, for that person, what they did. So
22 verifications overall, that means the number of times that
23 they made a determination in some form or fashion about a
24 ballot envelope.

25 And then the percentage of those that are

1 verified is the next column, so the number of times that
2 either passed versus something else. Doesn't mean versus
3 fail. It could be that it was a spousal exchange or --
4 there's a lot of different codes that they use that it
5 could be. It's just pass versus everything else.

6 Q. What is a spousal exchange?

7 MS. DANNEMAN: I'm sorry, Your Honor.
8 Objection. He is now testifying to the document as if it
9 is true, and he is not testifying about his conclusions
10 based on his reliance on the document. It's outside the
11 scope of -- first of all, this document is being used for
12 purposes beyond what was admitted.

13 And, again, he's engaging in statistical
14 analysis of this data, which is beyond the scope of the
15 subjects on which he was disclosed, and it is extremely
16 prejudicial to our clients.

17 THE COURT: Okay. The first part you're
18 saying he's using the exhibit -- interpreting the exhibit
19 or using it to offer his opinions and the purpose for
20 which it was admitted.

21 The second objection is that he's making
22 statistical analysis of what's going on.

23 As far as what I'm hearing, I -- what I've
24 heard so far is this is sorting of data with regard to key
25 strokes and differentiation between the time and key

1 strokes, and this is the data that was extracted into the
2 various columns, and now he's reading that data that was
3 requested, and now he's going to offer an opinion on it.

4 So, at this particular time, I don't see a
5 statistical analysis component to it, but I'll wait and --
6 and hear whatever further testimony there is.

7 But -- okay. That's fine.

8 Well, it's after noon. So -- I believe
9 we're on track. So I won't make you come back early. We
10 can come back at 1:30 to resume this.

11 But we'll come back at 1:30 and resume again
12 with Mr. Speckin on direct examination. Okay?

13 So thank you all.

14

15 (Lunch recess.)

16

17

18

19

20

21

22

23

24

25

CERTIFICATE OF REPORTER

STATE OF ARIZONA)

COUNTY OF MARICOPA)

I, Luz Franco, an official reporter in the Superior Court of the state of Arizona, in and for the county of Maricopa, hereby certify that the foregoing pages constitute a true and accurate transcript of my stenographic notes taken at said time and date, all done to the best of my skill and ability.

Dated this 18th day of May, 2023.

___/s/Luz Franco_____

Luz Franco, RMR, CRR
CR No. 50591
Official Court Reporter

\$	20:24, 99:15, 121:20	109:2, 110:4, 110:6, 110:8, 110:12, 110:15, 111:2, 111:13, 111:25, 112:9, 113:17, 113:21, 115:3, 123:3	accelerated-aged [1] - 63:25	126:20
\$50 [1] - 71:5	1989 [1] - 57:18		accept [2] - 82:1, 98:20	admitting [1] - 9:11
'	1993 [2] - 56:20, 57:19		access [5] - 34:17, 34:24, 79:2, 79:6, 103:23	admonished [1] - 87:23
'22 [1] - 47:3	1996 [1] - 57:25		Access [8] - 100:23, 101:14, 102:5, 102:10, 104:2, 104:22, 104:23, 115:5	advantage [1] - 75:19
'95 [1] - 58:4	1:30 [2] - 127:10, 127:11	5	accessing [1] - 104:10	advised [1] - 8:9
'96 [1] - 58:4		5 [5] - 82:17, 101:9, 114:10, 123:25, 124:21	accurate [7] - 13:20, 21:2, 45:16, 111:5, 123:3, 123:9, 128:14	affect [1] - 96:18
/	2	5.9999 [1] - 125:2	accurately [4] - 39:19, 40:1, 42:16, 45:12	affidavit [7] - 18:25, 19:5, 19:13, 19:15, 43:14, 44:19, 71:21
/s/Luz [1] - 128:21	2 [6] - 1:19, 70:8, 93:19, 96:14, 101:9, 124:15	50591 [2] - 1:23, 128:22	accused [1] - 22:3	afield [4] - 27:9, 35:23, 42:10, 81:12
0	2.4 [1] - 45:19	54 [1] - 3:7	acknowledge [1] - 80:3	age [4] - 63:22, 64:4, 76:5, 77:14
0 [1] - 124:15	2.999 [1] - 124:17	6	act [1] - 8:18	aged [1] - 63:25
1	20 [18] - 8:16, 10:23, 24:6, 25:1, 25:17, 25:22, 26:3, 26:4, 26:8, 27:22, 38:6, 41:17, 64:22, 97:20, 99:20, 100:17, 121:20, 123:6	6 [3] - 124:24, 124:25, 125:1	action [1] - 124:25	agencies [3] - 59:8, 67:7, 67:22
1 [11] - 36:10, 36:11, 45:18, 52:10, 70:8, 93:8, 95:10, 96:14, 99:4, 124:20	2002 [1] - 64:13	7	activity [3] - 16:13, 99:19, 104:19	agency [2] - 59:6, 67:17
1,000,327 [1] - 26:10	2003 [3] - 64:2, 64:5, 64:13	700 [1] - 62:14	actual [5] - 6:24, 46:22, 47:3, 111:4, 124:8	ago [3] - 59:1, 59:20, 116:18
1.3 [1] - 93:13	2007 [1] - 59:2	702 [1] - 85:19	add [6] - 6:12, 8:10, 8:25, 81:20, 92:4, 116:3	agree [7] - 105:12, 105:23, 106:7, 107:3, 107:5, 108:22, 117:1
1.4 [1] - 121:22	2008 [1] - 59:2	8	added [1] - 56:2	Aguilair [2] - 2:16, 5:10
10 [3] - 20:24, 21:3, 37:2	2020 [1] - 84:2	800-pound [1] - 91:22	addition [1] - 35:12	ahead [16] - 6:11, 12:19, 16:21, 20:3, 20:15, 33:11, 40:8, 51:25, 52:18, 102:20, 103:18, 103:21, 111:21, 113:5, 120:19, 121:4
10:30 [2] - 52:16, 72:25	2022 [10] - 17:2, 17:9, 30:24, 31:7, 42:18, 42:20, 84:2, 93:7, 95:8, 95:9	A	additional [2] - 59:12, 100:21	al [4] - 1:9, 4:8, 73:10, 87:13
11 [10] - 17:2, 17:9, 18:5, 18:8, 20:11, 37:2, 38:9, 38:13, 42:19, 65:15	2023 [5] - 1:16, 4:1, 56:21, 59:22, 128:17	a-yes-or-a-no [1] - 34:16	additions [1] - 56:1	alerted [1] - 7:16
11th [3] - 20:5, 20:7, 65:21	21 [4] - 28:7, 28:8, 28:14, 29:22	A.R.S [1] - 85:1	address [5] - 5:14, 5:20, 8:11, 12:1, 17:19	alerting [1] - 7:15
12 [2] - 124:13	28 [1] - 62:11	ABC [2] - 24:7, 24:15	addressed [3] - 9:22, 80:24, 91:21	Alexis [2] - 2:7, 4:20
13 [2] - 3:4, 66:9	297 [1] - 63:5	ABFDE [1] - 35:8	adjective [1] - 108:1	Allen [1] - 64:12
130 [1] - 37:13	3	ability [7] - 7:1, 49:9, 49:12, 84:7, 85:12, 117:16, 128:16	admin [2] - 33:14, 33:25	allocated [1] - 121:3
134 [10] - 37:4, 37:13, 37:23, 38:9, 38:10, 40:3, 40:4, 42:17, 46:21	3 [4] - 70:8, 93:20, 107:16, 124:17	able [14] - 8:3, 22:11, 25:11, 29:2, 31:9, 39:8, 39:14, 41:10, 45:6, 45:8, 60:8, 70:16, 100:2, 119:13	administrative [2] - 9:20, 55:21	allow [10] - 12:6, 20:3, 21:19, 25:10, 34:23, 36:4, 58:24, 64:11, 88:1, 89:2
135 [1] - 38:15	3,000 [1] - 62:11	absence [2] - 26:15, 27:23	admissibility [5] - 9:8, 9:17, 9:19, 9:22, 11:25	allowed [3] - 37:24, 80:1, 81:18
139 [4] - 36:23, 37:3, 38:9, 38:13	30 [6] - 56:8, 56:18, 56:21, 65:15, 65:23, 86:21	absolute [3] - 45:19, 81:13, 104:24	admissible [1] - 119:1	allowing [2] - 91:5, 99:8
15 [3] - 35:11, 73:3, 73:4	33 [1] - 62:11	absolutely [10] - 6:4, 9:16, 20:8, 72:19, 92:1, 99:17, 104:9, 113:8, 113:11, 123:9	admission [4] - 12:10, 29:17, 120:5, 123:13	almost [2] - 69:15, 80:14
16-550 [2] - 82:17, 85:1	34 [3] - 36:17, 40:2, 40:3	abundance [1] - 122:4	admit [2] - 85:11, 109:15	alphabetizing [1] - 19:16
17 [1] - 42:18	350 [1] - 63:5	abundant [1] - 58:15	admitted [12] - 12:4, 25:22, 29:16, 36:18, 92:5, 97:23, 117:11, 118:12, 119:1, 123:20, 126:12,	alterations [1] - 56:1
18 [14] - 1:16, 4:1, 8:15, 8:20, 8:22, 9:20, 10:21, 10:24, 36:18, 109:2, 109:9, 109:12, 109:15, 111:6	37 [1] - 65:15	Academy [1] - 60:20		altered [1] - 56:2
18th [1] - 128:17	4	accelerate [1] - 64:4		AM [1] - 1:16
19 [5] - 15:7, 15:15,	413 [3] - 62:21, 62:25, 63:10	accelerated [1] - 63:25		America [1] - 117:23
	413th [1] - 62:22			American [3] - 60:18, 60:20, 60:21
	46 [2] - 109:16, 109:22			amount [4] - 94:8, 94:9, 98:2, 100:21
	47 [17] - 9:1, 9:5, 9:22,			

- analyses** [1] - 67:11
analysis [38] - 41:20, 47:24, 54:23, 55:9, 57:9, 58:6, 58:19, 59:18, 59:25, 61:14, 63:2, 65:4, 67:24, 68:24, 69:10, 69:18, 72:10, 79:25, 84:5, 97:5, 102:16, 103:3, 103:16, 105:3, 105:5, 105:8, 105:11, 105:19, 106:11, 106:25, 107:5, 108:4, 108:6, 112:12, 126:14, 126:22, 127:5
analyst [5] - 41:13, 49:13, 54:25, 76:3, 77:13
analyze [4] - 49:7, 49:9, 79:3, 100:16
analyzes [1] - 79:2
analyzing [1] - 41:17
AND [2] - 1:2, 26:8
Angeles [1] - 68:4
animals [1] - 120:12
annual [3] - 58:23, 59:11, 59:15
anonymized [1] - 125:17
anonymous [1] - 125:19
answer [32] - 16:8, 21:22, 21:23, 22:11, 23:21, 25:10, 29:2, 29:20, 33:11, 34:7, 36:21, 41:3, 45:8, 45:9, 45:12, 51:5, 57:5, 58:3, 61:21, 65:15, 83:11, 99:24, 100:2, 100:3, 100:4, 100:8, 107:23, 116:16, 122:15, 125:9
answered [7] - 30:10, 31:4, 31:9, 32:19, 34:11, 49:17, 82:9
answering [1] - 22:21
answers [2] - 47:5, 48:15
anticipate [1] - 90:4
anyway [1] - 77:22
apex [1] - 27:1
apologies [2] - 90:16, 110:10
apologize [6] - 11:16, 29:11, 29:15, 49:2, 85:15, 105:22
appeal [1] - 64:19
appear [2] - 13:20, 123:3
appearance [1] - 87:15
appearances [1] - 4:9
APPEARING [1] - 2:1
application [6] - 55:11, 72:25, 91:7, 93:9, 104:8, 106:10
applications [2] - 70:24, 71:15
applied [1] - 64:25
apply [2] - 24:1, 64:23
applying [1] - 105:19
appointed [2] - 68:19, 68:21
appointments [1] - 68:23
appreciate [5] - 51:19, 52:12, 117:8, 118:22, 119:2
approach [3] - 53:4, 92:22, 113:6
approaching [1] - 27:7
appropriate [1] - 44:15
approval [2] - 40:2, 43:8
approve [2] - 44:20, 44:24
approved [1] - 44:19
approving [1] - 43:13
area [1] - 76:4
areas [3] - 57:8, 58:25, 61:2
argue [1] - 47:4
arguing [1] - 88:4
argument [6] - 32:3, 91:13, 91:14, 93:15, 106:4, 111:15
argumentative [4] - 22:5, 22:13, 22:14, 22:18
ARIZONA [2] - 1:1, 128:8
Arizona [12] - 1:15, 4:1, 32:17, 49:23, 58:10, 65:25, 66:2, 68:12, 85:14, 85:17, 117:12, 128:12
Armenta [2] - 2:8, 4:18
ARMENTA [2] - 4:17, 6:16
arrive [1] - 121:24
art [1] - 90:16
artfully [1] - 16:2
Arts [1] - 57:11
aspect [2] - 8:21, 55:1
aspects [1] - 54:11
asserted [2] - 118:23, 120:11
assess [2] - 86:16, 98:2
assessing [1] - 98:1
assign [2] - 20:15, 23:24
assigned [4] - 21:15, 34:21, 34:25, 125:19
assignment [2] - 6:1, 6:8
assist [1] - 29:5
assisted [2] - 29:6, 29:8
assisting [1] - 105:16
associated [1] - 35:9
Association [2] - 60:23, 66:21
associations [1] - 56:5
assume [11] - 11:22, 39:14, 40:1, 40:24, 41:2, 43:5, 43:7, 43:24, 44:6, 44:17, 104:2
assuming [4] - 39:23, 44:2, 46:5, 125:17
assumption [1] - 43:7
assumptions [11] - 39:8, 40:23, 43:23, 44:11, 45:12, 46:11, 46:12, 46:15, 47:2, 47:5, 48:23
ATF [1] - 57:24
attached [1] - 96:8
attack [1] - 118:16
attempt [1] - 65:16
attempting [1] - 73:2
attend [2] - 61:24, 76:23
attended [6] - 60:1, 61:4, 61:5, 61:7, 61:21, 61:24
attends [1] - 76:20
Attorney [1] - 67:14
attorney [1] - 92:5
Attorney's [5] - 2:13, 5:3, 5:9, 67:18, 67:20
attorneys [4] - 5:19, 67:5, 117:12, 120:10
Attorneys [3] - 2:5, 2:17, 67:16
attorneys' [1] - 67:11
authorship [5] - 55:12, 55:15, 56:12, 57:20, 70:12
available [4] - 61:17, 61:19, 104:22, 111:13
average [4] - 44:24, 84:12, 108:7, 108:18
avoids [1] - 49:25
aware [14] - 9:16, 13:10, 16:3, 20:23, 24:21, 24:24, 25:12, 25:16, 28:4, 28:7, 28:15, 29:24, 95:11, 102:7
axes [2] - 44:9, 46:6
axis [2] - 44:18, 44:19
-
- B**
-
- Bachelor** [1] - 57:11
background [7] - 41:16, 41:21, 41:22, 57:13, 76:9, 77:23, 78:23
backwards [1] - 117:1
badgered [1] - 22:19
ballot [7] - 43:8, 43:14, 44:18, 69:23, 84:9, 84:22, 125:24
ballots [2] - 70:21, 82:19
banks [1] - 67:2
bar [1] - 45:15
base [1] - 83:8
based [9] - 47:3, 47:5, 84:11, 85:7, 112:4, 114:11, 116:9, 120:9, 126:10
basic [2] - 90:12, 104:24
basis [9] - 37:20, 41:4, 42:12, 59:11, 59:15, 70:13, 96:23, 112:23, 114:16
bathroom [1] - 66:24
become [1] - 118:6
becomes [1] - 28:1
BEFORE [1] - 1:19
began [1] - 42:17
begin [2] - 52:14, 53:3
beginning [4] - 4:9, 114:17, 124:16, 124:19
behalf [8] - 3:3, 3:5, 4:12, 4:15, 4:23, 5:2, 5:5, 66:13
behavior [3] - 16:4, 39:19, 46:23
belabor [1] - 12:2
below [1] - 74:11
bench [4] - 81:6, 113:5, 117:15, 118:24
best [3] - 100:12, 119:7, 128:16
Best [1] - 104:3
better [2] - 102:10, 108:1
between [10] - 12:9, 56:24, 66:9, 98:8, 99:2, 100:22, 101:10, 121:25, 124:22, 126:25
beyond [6] - 16:18, 79:11, 105:20, 116:10, 126:12, 126:14
bias [1] - 7:2
big [6] - 8:5, 66:22, 67:3, 71:2, 93:18, 121:23
Bill [2] - 76:4, 77:5
bill [1] - 98:19
bio [1] - 76:15
Birmingham [1] - 71:21
bit [6] - 24:9, 30:8, 35:2, 59:19, 76:7, 118:9
black [5] - 40:15, 74:10, 83:1, 123:7
BLEHM [107] - 2:3, 4:11, 6:3, 6:7, 6:9, 7:10, 7:12, 7:25, 8:5, 12:23, 13:2, 13:5, 13:15, 13:25, 15:5, 15:12, 16:9, 16:16, 16:24, 17:7, 17:13, 17:17, 17:22, 19:9, 19:11, 20:6, 23:8, 24:4, 24:14, 24:23, 25:15, 25:22, 26:4, 26:9, 26:13, 26:21, 27:19, 27:20, 28:11, 28:13, 28:24, 29:7, 29:11, 29:15, 29:18, 30:4, 30:7, 31:2, 31:5, 31:17, 31:23, 32:2, 32:5, 32:8, 32:13, 32:16, 32:23, 33:5, 33:8, 33:17, 34:13, 34:15, 35:19, 35:24, 36:5, 36:8, 36:13, 36:17, 36:22, 36:25, 37:2, 37:5, 37:21, 38:5, 38:10, 38:15, 38:18, 38:21, 39:9, 39:16, 39:25, 40:4, 40:22, 41:12, 42:8, 42:14, 43:3, 43:12, 44:5, 44:13, 44:16, 45:23, 46:10, 46:18, 47:12, 47:17, 47:21, 48:8, 48:12, 48:17, 48:19, 49:16, 49:18, 52:8, 52:10,

89:4, 110:4
Blehm [14] - 2:4, 3:4,
 4:12, 6:6, 12:15,
 12:22, 19:10, 22:14,
 23:2, 23:6, 38:4,
 47:13, 52:11, 89:6
blocking [1] - 53:10
blue [1] - 109:7
blunt [1] - 91:16
board [1] - 67:12
Board [1] - 60:18
boards [1] - 18:21
bodies [3] - 61:15,
 62:1, 68:8
body [1] - 58:8
Bolhouse [1] - 59:2
bond [1] - 71:6
bottom [1] - 74:17
box [3] - 19:2, 83:1
break [8] - 19:8,
 50:10, 52:16, 72:25,
 73:2, 73:22, 101:11
breakdown [1] - 63:3
briefly [1] - 37:8
bring [1] - 7:23
bringing [2] - 24:18,
 24:19
broad [5] - 41:24,
 49:3, 49:24, 69:7,
 94:13
broken [1] - 62:23
Bryan [2] - 2:4, 4:11
bunch [1] - 70:5
BURGESS [1] - 2:9
Burgess [1] - 5:5
Burnell [2] - 57:23,
 58:21
busier [1] - 61:23
business [1] - 19:23
but.. [2] - 122:15,
 122:21
button [4] - 32:11,
 39:2
buttons [1] - 115:21
buy [3] - 104:3, 104:6
Buy [1] - 104:3
BY [47] - 1:22, 13:2,
 16:24, 17:22, 19:11,
 20:6, 23:8, 24:4,
 24:23, 25:15, 27:20,
 28:13, 29:7, 29:18,
 30:7, 33:17, 34:15,
 36:8, 37:5, 39:16,
 39:25, 41:12, 42:14,
 44:13, 44:16, 45:23,
 46:10, 46:18, 48:19,
 53:23, 54:21, 73:21,
 78:3, 82:11, 83:13,
 93:2, 97:17, 100:15,
 102:2, 103:22,

107:10, 113:19,
 115:1, 121:6, 123:2,
 123:22, 125:12

C

cake [1] - 83:1
calculate [2] - 99:2,
 107:19
calculating [1] -
 108:18
calculation [2] -
 14:24, 108:6
calculations [1] -
 122:5
California [2] - 66:3,
 66:5
California's [1] - 68:2
camera [1] - 51:16
Canada [1] - 65:17
candidly [1] - 41:8
cannot [2] - 14:6,
 79:11
Canon [2] - 61:6
capabilities [2] -
 33:13, 103:12
capability [1] - 35:1
capable [5] - 22:16,
 22:20, 81:9, 117:2,
 117:24
care [2] - 7:11, 7:14
career [6] - 61:21,
 62:4, 62:11, 62:22,
 69:3, 71:1
cares [1] - 65:21
carpel [1] - 101:24
carrier [2] - 71:5,
 71:11
cart [1] - 16:19
case [30] - 11:20, 44:2,
 49:25, 50:1, 50:13,
 50:15, 50:22, 62:6,
 62:7, 62:8, 62:9,
 64:7, 64:10, 64:14,
 67:15, 71:13, 71:22,
 71:23, 72:22, 78:5,
 78:12, 82:13, 83:2,
 87:20, 88:12, 89:11,
 89:17, 90:2, 90:5,
 101:12
cases [25] - 58:14,
 60:7, 62:3, 62:5,
 62:15, 62:19, 63:1,
 63:8, 63:10, 63:13,
 65:11, 67:13, 68:20,
 69:4, 69:6, 69:7,
 69:11, 69:12, 70:18,
 70:20, 71:19, 72:7,
 73:23, 73:25, 76:16
categories [1] -

106:13
categorize [1] - 19:20
category [1] - 19:19
caution [3] - 7:21,
 58:15, 122:4
CD [4] - 26:4, 26:8,
 27:15, 97:22
CD-ROM [3] - 26:4,
 27:15, 97:22
ceded [1] - 90:16
certain [11] - 39:8,
 40:24, 66:22, 68:17,
 69:25, 71:19, 85:19,
 101:1, 101:2, 108:7
certainly [1] - 117:12
certainities [1] - 122:5
certainty [2] - 56:13,
 124:25
CERTIFICATE [1] -
 128:4
certificate [2] - 1:23,
 71:6
certified [3] - 35:7,
 35:8, 35:15
certify [3] - 35:14,
 100:25, 128:13
CFA [1] - 64:20
chain [1] - 98:5
chance [3] - 11:6,
 11:13, 111:24
change [5] - 35:2,
 71:4, 72:24, 94:14,
 109:13
changed [6] - 11:11,
 18:10, 18:11, 56:2,
 59:19, 71:9
chapter [2] - 83:17,
 83:21
characteristics [2] -
 70:11, 94:13
characterize [1] -
 75:10
charge [1] - 104:6
chart [10] - 8:16,
 10:22, 11:18, 11:19,
 14:23, 14:24, 46:4,
 48:22, 121:14, 123:4
chatter [1] - 98:7
check [1] - 52:14
chemical [1] - 63:23
chemistry [1] - 57:10
chess [1] - 89:23
chief [3] - 49:25,
 50:16, 57:17
children [1] - 61:23
choice [1] - 50:12
chop [1] - 73:1
Chris [1] - 104:13
Chrysler [1] - 67:1
cites [1] - 76:15

Civil [1] - 92:5
claiming [1] - 89:24
clarification [6] - 26:2,
 32:19, 45:7, 80:17,
 99:25, 103:20
clarify [3] - 31:13,
 80:25, 114:10
clarifying [1] - 79:14
clean [1] - 50:8
clear [9] - 17:10, 34:6,
 62:6, 79:16, 81:7,
 87:19, 88:6, 119:22,
 120:1
clearly [3] - 75:20,
 85:6, 90:23
clerk [2] - 5:16, 110:7
click [1] - 74:18
clicking [4] - 32:11,
 100:10
client [4] - 22:3, 40:12,
 47:9, 118:1
clients [4] - 6:1, 66:12,
 66:15, 126:16
clip [4] - 13:17, 15:1,
 15:14, 95:22
clips [2] - 13:8, 13:16
clock [5] - 100:12,
 100:13, 120:15,
 124:7, 124:14
close [6] - 19:23, 66:5,
 66:7, 98:20, 100:14,
 101:15
clouds [1] - 33:23
Coast [1] - 66:7
codefendants [1] -
 10:10
codes [1] - 126:4
COIE [1] - 2:6
Collaborative [1] -
 59:6
colleague [1] - 76:18
colleagues [1] - 4:24
collected [1] - 71:14
College [1] - 57:11
color [1] - 123:9
Colorado [1] - 66:6
column [4] - 114:9,
 115:6, 121:15, 126:1
columns [4] - 121:23,
 123:24, 124:4, 127:2
coming [3] - 59:21,
 91:15, 114:22
commercially [1] -
 104:22
common [14] - 60:12,
 61:16, 66:23, 66:25,
 68:25, 69:20, 70:12,
 72:14, 72:17,
 103:25, 104:7,
 124:22, 124:23

commonly [1] - 70:4
companies [3] -
 66:14, 66:19, 66:22
company [2] - 66:17,
 66:25
compare [14] - 11:5,
 70:16, 72:10, 74:12,
 74:22, 78:14, 78:15,
 84:8, 84:14, 84:16,
 84:18, 84:20, 94:16
compared [7] - 82:20,
 82:21, 82:22, 82:23,
 82:24, 84:21, 94:4
comparing [3] - 44:25,
 45:1, 63:24
comparison [7] -
 71:17, 72:5, 72:19,
 74:17, 74:19, 84:25,
 94:15
comparisons [4] -
 60:5, 96:1, 114:7,
 115:12
complete [3] - 8:25,
 109:2, 111:5
completed [2] - 20:5,
 59:17
completely [7] -
 15:14, 29:20, 47:8,
 79:13, 80:25, 91:18,
 118:17
completeness [2] -
 9:15, 109:18
component [1] - 127:5
comports [1] - 70:17
compute [1] - 42:3
computer [6] - 32:22,
 54:11, 58:14, 74:14,
 100:12
computers [2] - 38:24,
 122:20
concern [1] - 11:4
concerned [1] - 39:6
concerns [2] - 31:6,
 115:17
conclusion [3] -
 56:14, 99:6, 99:7
conclusions [7] -
 60:2, 83:21, 84:5,
 112:4, 119:4,
 121:25, 126:9
conduct [6] - 30:20,
 31:10, 34:2, 34:9,
 50:16, 67:4
conducted [1] - 74:4
conducts [1] - 36:1
confidence [2] - 7:1,
 117:15
Conl'd [1] - 3:6
connection [1] - 69:11
consecutive [1] -

74:13
consequences [3] - 93:10, 93:14, 94:10
conserve [1] - 13:18
consider [2] - 39:13, 76:18
considered [1] - 118:18
considering [1] - 10:15
consistent [12] - 43:13, 45:19, 45:20, 46:23, 72:2, 72:11, 78:16, 85:3, 85:6, 93:5, 93:6, 96:1
constitute [1] - 128:14
Cont'g [2] - 3:3, 3:4
contained [4] - 26:5, 38:6, 41:17, 97:19
contemporary [1] - 77:16
contents [1] - 27:22
Contestant/Plaintiff [2] - 1:6, 2:5
Contestee [1] - 1:8
context [1] - 72:9
continue [4] - 12:22, 52:13, 73:15, 78:24
continued [1] - 18:13
continues [1] - 87:7
CONTINUING [1] - 12:25
continuing [5] - 6:4, 12:16, 73:9, 87:12, 97:8
contracted [1] - 35:12
copied [4] - 9:21, 64:17, 64:21, 111:9
copies [2] - 11:10
Copy [1] - 1:23
copy [4] - 10:11, 111:5, 112:2, 123:4
correct [27] - 11:1, 18:12, 18:14, 18:15, 18:16, 18:17, 20:11, 28:8, 29:10, 29:17, 33:5, 33:20, 48:23, 48:24, 52:5, 63:11, 72:12, 86:22, 88:13, 103:4, 103:16, 106:2, 108:20, 114:23, 120:7, 121:19, 125:1
correcting [2] - 9:20, 9:21
correctly [3] - 11:16, 33:18, 118:5
correlation [1] - 83:7
coughed [1] - 54:17
could've [2] - 20:22,

80:7
counsel [12] - 9:4, 15:17, 17:5, 42:22, 47:1, 73:12, 87:16, 88:3, 88:24, 105:3, 111:3, 111:10
COUNSEL [1] - 2:1
counsel's [1] - 17:5
count [3] - 57:1, 65:24, 108:11
counties [1] - 35:11
counting [2] - 62:22, 62:24
countries [3] - 55:5, 65:15, 65:16
country [1] - 68:22
County [41] - 2:13, 5:2, 5:3, 5:6, 5:9, 6:24, 8:17, 10:18, 10:20, 10:23, 18:14, 23:15, 23:23, 25:8, 25:24, 26:23, 27:23, 31:8, 31:10, 32:22, 33:19, 34:8, 38:22, 42:18, 46:22, 68:2, 68:4, 76:11, 82:14, 83:25, 92:3, 96:4, 96:11, 96:16, 97:19, 100:17, 112:12, 117:9, 118:2, 122:23
county [2] - 117:22, 128:12
COUNTY [2] - 1:2, 128:9
County's [3] - 25:23, 33:3, 43:13
couple [1] - 123:8
course [11] - 56:11, 62:15, 70:24, 78:16, 80:4, 81:15, 93:14, 94:2, 95:25, 97:1, 115:6
Court [18] - 6:4, 6:18, 9:16, 10:15, 10:16, 15:18, 15:20, 27:10, 28:15, 47:5, 47:6, 65:2, 65:10, 86:1, 102:17, 112:3, 128:12, 128:23
court [14] - 4:4, 28:6, 52:14, 63:14, 63:16, 64:7, 64:19, 65:17, 68:19, 72:3, 95:22, 101:23, 118:11, 119:25
COURT [235] - 1:1, 4:6, 4:13, 4:16, 4:19, 5:7, 5:11, 5:24, 6:6, 6:10, 6:14, 6:20, 7:3, 7:11, 7:13, 7:18,

7:20, 8:2, 8:9, 9:3, 9:11, 9:18, 9:25, 10:2, 10:8, 10:17, 11:4, 11:24, 12:12, 13:14, 13:23, 14:9, 14:17, 15:6, 15:13, 16:5, 16:10, 16:17, 17:10, 17:15, 17:18, 19:7, 19:10, 20:3, 21:12, 21:16, 22:6, 22:8, 22:10, 22:24, 23:6, 23:19, 24:9, 24:17, 25:2, 25:5, 25:9, 25:13, 25:25, 26:12, 26:16, 27:1, 28:12, 28:22, 28:25, 29:13, 30:5, 30:25, 31:3, 31:13, 31:18, 32:4, 32:6, 32:12, 32:15, 32:18, 32:25, 33:7, 33:10, 35:22, 36:3, 36:6, 36:19, 36:24, 37:1, 38:1, 38:4, 38:8, 38:12, 38:17, 38:19, 39:4, 39:11, 39:22, 40:3, 40:5, 40:8, 40:21, 40:25, 41:11, 42:9, 42:24, 43:11, 43:19, 44:7, 44:15, 45:5, 47:10, 47:13, 47:18, 47:22, 48:9, 48:13, 48:18, 49:17, 49:20, 50:5, 50:11, 50:21, 50:23, 51:4, 51:10, 51:14, 51:21, 52:7, 52:9, 52:11, 52:18, 52:22, 53:1, 53:6, 53:8, 53:14, 54:16, 54:20, 72:23, 73:9, 73:18, 77:20, 77:25, 78:19, 79:14, 80:22, 81:16, 81:24, 82:6, 82:10, 83:10, 85:14, 85:16, 86:3, 86:13, 86:20, 86:24, 87:2, 87:10, 88:9, 88:17, 88:20, 89:3, 89:5, 90:13, 90:18, 90:25, 91:10, 91:12, 91:19, 91:21, 92:1, 92:11, 92:16, 92:24, 97:7, 97:10, 97:16, 99:23, 101:18, 101:23, 102:18, 102:20, 103:1, 103:5, 103:18, 103:21, 105:7, 105:13, 106:4, 106:9, 106:19, 107:2, 108:25, 109:6,

109:11, 109:14, 109:20, 110:2, 110:7, 110:11, 110:14, 110:18, 110:22, 110:25, 111:9, 111:19, 112:8, 112:18, 112:25, 113:4, 113:8, 113:11, 113:15, 114:19, 114:25, 115:13, 116:12, 117:20, 118:8, 119:15, 119:20, 120:2, 120:4, 120:8, 120:15, 120:25, 122:7, 122:12, 122:14, 122:19, 122:25, 123:12, 123:16, 123:19, 125:5, 125:7, 126:17
Court's [3] - 8:9, 90:22, 91:9
courtroom [9] - 5:18, 5:23, 8:8, 24:20, 27:18, 40:11, 51:18, 51:25, 116:17
cover [2] - 21:7, 33:23
COVID [1] - 59:19
CR [1] - 128:22
Craig [2] - 2:11, 4:23
CRAIGER [3] - 5:4, 26:2, 26:6
Craiger [2] - 2:10, 5:5
created [22] - 10:25, 37:16, 38:2, 38:19, 38:22, 59:14, 100:18, 100:20, 100:22, 112:6, 112:15, 112:16, 112:22, 114:21, 115:3, 115:4, 115:11, 115:17, 116:23, 117:5, 123:4
creates [1] - 104:22
creation [2] - 121:9, 121:12
credentials [1] - 35:8
crime [2] - 54:12
criminal [1] - 68:20
criteria [2] - 105:17, 107:25
critical [1] - 124:11
cross [16] - 49:20, 49:24, 50:2, 50:8, 50:16, 50:23, 86:17, 88:12, 89:15, 90:19, 90:20, 91:3, 103:15, 118:16, 119:13
cross-exam [1] -

49:20
cross-examination [5] - 49:24, 86:17, 91:3, 118:16, 119:13
crossed [1] - 81:11
crossover [2] - 79:15, 80:5
CRR [2] - 1:23, 128:22
CTS [1] - 59:6
cubicle [1] - 19:5
cubicles [2] - 18:24, 19:13
cumulative [2] - 15:9, 80:18
curing [2] - 18:20, 19:16
custodian [6] - 25:8, 26:18, 29:23, 29:25, 111:4, 112:21
cut [1] - 75:10
cutoff [1] - 102:7
CV [1] - 76:17
CV2022-095403 [4] - 1:7, 4:7, 73:10, 87:13
cycle [1] - 114:2

D

dad [2] - 77:9, 77:15
dad's [1] - 76:5
DANNEMAN [18] - 4:20, 10:1, 10:3, 10:12, 11:15, 12:11, 14:14, 21:10, 21:13, 37:14, 37:19, 92:12, 97:3, 97:9, 99:21, 106:21, 116:2, 126:7
Danneman [2] - 2:7, 4:20
dark [2] - 74:9, 74:10
Data [2] - 24:7, 24:15
data [98] - 8:16, 10:22, 18:6, 25:23, 26:5, 26:8, 26:10, 37:7, 37:22, 38:2, 38:5, 38:19, 38:21, 38:23, 40:1, 41:13, 41:18, 41:19, 42:16, 42:22, 44:12, 45:14, 47:3, 48:15, 48:21, 49:1, 49:4, 49:6, 49:7, 49:10, 49:11, 49:13, 54:12, 58:13, 58:14, 82:23, 83:24, 84:1, 84:5, 84:7, 84:17, 97:18, 97:22, 98:1, 98:5, 98:9, 98:11, 99:4, 99:8, 99:10, 99:12, 99:19, 100:5,

100:9, 100:11, 100:17, 100:19, 100:24, 101:13, 103:7, 103:14, 103:24, 104:10, 104:14, 104:18, 105:9, 105:10, 105:16, 106:12, 106:22, 107:5, 107:6, 107:11, 107:13, 107:24, 111:16, 112:11, 113:24, 114:1, 115:7, 115:8, 115:18, 115:19, 116:21, 121:16, 121:18, 121:20, 122:18, 123:5, 124:6, 125:3, 126:14, 126:24, 127:1, 127:2	2:17 defendants [13] - 5:2, 5:6, 6:15, 7:13, 8:24, 14:15, 15:18, 82:2, 86:4, 92:17, 97:12, 117:10 defense [4] - 9:4, 53:10, 64:21, 68:20 defer [1] - 7:19 defined [1] - 85:1 definitely [3] - 76:3, 76:20, 122:24 definition [1] - 82:22 degree [2] - 49:12, 57:10 delete [2] - 51:15, 51:18 deliberate [1] - 47:7 delivered [1] - 59:22 demonstrate [2] - 14:19, 115:11 demonstrates [1] - 15:14 demonstrating [2] - 16:20, 48:10 demonstrative [21] - 13:7, 14:2, 14:12, 14:13, 14:16, 14:17, 14:21, 15:8, 15:9, 15:25, 36:14, 39:6, 47:1, 47:11, 47:15, 47:16, 48:2, 48:3, 48:5, 48:6, 48:14 department [4] - 18:16, 25:24, 26:24, 46:20 Department [6] - 23:15, 26:23, 27:23, 27:25, 67:9, 77:13 departments [1] - 67:3 depict [1] - 13:20 depicted [1] - 17:24 deposed [1] - 78:18 depositions [2] - 62:23, 62:24 deprives [1] - 47:8 deputy [1] - 57:23 deriving [1] - 41:23 describe [9] - 57:7, 65:2, 65:10, 68:11, 69:17, 97:25, 100:16, 107:12, 115:2 described [2] - 57:8, 58:18 describing [2] - 60:15, 98:5 description [2] - 55:17, 66:11 designated [1] - 26:22	detail [1] - 94:7 detailed [1] - 55:17 detect [1] - 83:22 determination [12] - 55:12, 55:15, 56:5, 56:9, 56:12, 57:20, 60:3, 85:2, 99:13, 107:17, 107:21, 125:23 determinations [2] - 107:16, 114:7 determine [11] - 70:3, 70:12, 72:11, 75:1, 78:13, 78:15, 93:4, 93:6, 98:12, 100:14, 107:22 determined [2] - 70:13, 99:8 deviations [1] - 108:16 difference [4] - 12:9, 93:3, 93:8, 94:7 differences [4] - 84:16, 94:2, 94:3, 94:16 different [26] - 11:9, 15:14, 17:20, 18:18, 18:19, 18:20, 18:25, 19:20, 58:2, 61:2, 64:1, 65:3, 91:17, 94:17, 95:23, 100:9, 101:15, 102:23, 106:17, 110:12, 111:23, 115:5, 119:25, 120:12, 126:4 differentiate [1] - 55:5 differentiation [1] - 126:25 difficult [2] - 60:7, 60:8 digit [1] - 43:16 dire [1] - 89:2 direct [9] - 12:16, 21:17, 50:4, 50:8, 73:14, 83:6, 88:11, 89:13, 127:12 Direct [2] - 3:4, 3:7 DIRECT [2] - 12:25, 53:21 direction [4] - 115:4, 115:11, 121:8, 123:5 directly [4] - 66:20, 67:17, 83:21, 84:7 director [2] - 57:23, 59:3 disagree [3] - 92:7, 92:8, 107:3 disagreeing [1] - 108:2	discerning [1] - 81:10 disclosed [11] - 10:14, 10:16, 11:12, 11:17, 13:10, 14:3, 15:10, 24:13, 111:11, 116:5, 126:15 disclosure [3] - 29:21, 72:1, 116:5 disclosures [1] - 71:25 discounting [1] - 93:15 discovered [1] - 111:20 discovery [3] - 70:15, 70:17, 96:8 discuss [3] - 16:2, 16:23, 95:19 discussed [4] - 30:25, 82:17, 94:14, 96:13 discussion [2] - 7:7, 9:9 dismissing [1] - 87:20 disposal [2] - 75:19, 93:21 disposition [3] - 45:18, 78:17, 100:20 dispute [2] - 18:7, 42:16 disqualified [1] - 63:14 distance [4] - 71:1, 71:4, 71:10, 71:11 distinctions [2] - 117:17, 117:24 distorted [1] - 98:12 District [1] - 64:12 divide [1] - 108:10 division [1] - 108:14 DMVs [1] - 71:15 DNA [3] - 54:13, 59:10, 59:11 Document [3] - 60:18, 60:22, 60:24 document [28] - 8:16, 10:19, 35:7, 37:15, 45:3, 54:25, 55:1, 55:5, 55:6, 56:2, 57:9, 57:17, 59:9, 76:2, 77:13, 83:15, 113:23, 114:15, 114:18, 115:2, 115:17, 116:23, 121:8, 121:13, 126:8, 126:10, 126:11 documents [13] - 13:5, 29:21, 54:14, 54:24, 55:4, 55:21, 55:24, 55:25, 56:1,	57:16, 57:19, 71:19, 72:2 done [34] - 20:15, 30:11, 32:20, 49:19, 56:3, 60:9, 61:9, 71:18, 76:16, 77:20, 77:21, 79:23, 84:13, 84:17, 87:23, 87:24, 88:6, 88:23, 89:1, 89:8, 89:12, 89:16, 90:24, 94:7, 94:15, 95:19, 96:1, 108:19, 114:8, 117:13, 120:23, 128:15 doubt [2] - 10:13 down [8] - 19:8, 33:24, 38:12, 46:5, 62:23, 79:16, 94:8, 98:21 downs [1] - 45:16 dozen [2] - 57:2, 57:6 drafting [2] - 106:23, 107:1 draw [4] - 96:24, 99:5, 99:7, 119:3 drawn [2] - 8:16, 84:5 dropping [1] - 19:2 drying [1] - 63:23 due [3] - 10:6, 47:9, 89:6 duly [1] - 53:18 duplicate [1] - 109:22 during [2] - 16:4, 80:4 duties [1] - 17:25 duty [1] - 23:12 duty-wise [1] - 23:12
---	--	---	---	---

E

e-mail [1] - 98:4
early [5] - 41:23,
61:21, 71:1, 82:19,
127:9
ease [1] - 115:23
easier [2] - 5:15,
107:14
easiest [1] - 125:15
East [1] - 66:7
education [2] - 57:7,
85:18
educational [1] -
57:12
EEOC [1] - 64:12
effectively [1] - 48:10
eight [1] - 70:7
eighteen [1] - 10:22
eighth [1] - 70:9
either [14] - 16:8,
17:20, 19:16, 21:5,
49:21, 50:16, 62:14,
69:23, 85:7, 87:14,

90:1, 117:6, 117:7, 126:2
elect [1] - 89:18
elected [1] - 6:24
election [19] - 17:3, 18:21, 18:22, 31:7, 35:15, 47:3, 69:4, 69:6, 69:11, 69:12, 70:14, 70:18, 70:19, 72:7, 73:24, 84:2, 93:7, 95:8, 114:2
election-related [3] - 69:4, 69:11, 69:12
election-type [1] - 73:24
elections [5] - 18:16, 26:24, 46:19, 69:18, 82:15
Elections [3] - 23:15, 26:23, 27:23
electronic [1] - 102:16
element [1] - 30:15
elements [1] - 29:5
Elena [2] - 2:8, 4:18
ELIAS [1] - 2:8
ELMO [1] - 13:6
Emily [2] - 2:10, 5:5
emphasizing [1] - 50:13
employed [2] - 96:16, 103:23
employee [8] - 15:19, 25:24, 32:21, 33:2, 34:17, 34:22, 44:24, 46:22
employees [8] - 31:8, 33:19, 34:8, 34:23, 35:14, 35:15, 56:22, 82:14
employees' [1] - 30:11
employment [2] - 42:17, 76:11
employs [1] - 94:19
encountered [1] - 60:13
encouraged [1] - 81:19
encyclopedia [2] - 83:17, 83:22
end [5] - 106:1, 115:23, 120:20, 120:22, 124:18
ended [2] - 42:18, 124:17
ends [1] - 98:8
Enforcement [1] - 67:10
enforcement [1] - 67:23
engaging [1] - 126:13

England [1] - 65:17
English [1] - 98:19
enter [1] - 8:7
entered [4] - 99:15, 118:5, 123:6, 123:11
entire [5] - 13:17, 26:19, 79:17, 80:12, 80:19
entirely [1] - 20:9
entirety [1] - 26:8
entity [2] - 35:10, 66:17
entries [2] - 99:4, 114:4
envelope [3] - 84:9, 84:22, 125:24
envelopes [5] - 18:25, 19:14, 19:15, 43:9, 44:19
EPM [1] - 96:10
equal [8] - 101:6, 101:7, 101:9, 101:10, 114:10, 124:1
ERICH [3] - 3:5, 53:17, 54:3
Erich [2] - 52:21, 54:3
especially [1] - 56:6
establish [2] - 42:11, 116:25
established [3] - 34:3, 106:3, 115:16
establishing [1] - 77:22
estimate [2] - 62:10, 62:13
estimation [1] - 63:22
et [4] - 1:9, 4:7, 73:10, 87:13
Ethan [1] - 64:12
EULEX [1] - 65:16
evaluating [1] - 70:23
evaluation [1] - 45:20
event [2] - 124:12, 124:14
everywhere [1] - 66:9
evidence [17] - 14:12, 14:16, 16:6, 17:6, 23:16, 31:25, 37:16, 47:6, 48:7, 80:1, 80:2, 111:22, 118:17, 118:25, 119:4, 123:6, 123:11
exact [4] - 57:4, 64:22, 70:4, 76:22
exactly [7] - 61:20, 64:24, 65:1, 70:25, 72:1, 74:21, 121:15
exam [2] - 49:20, 115:22

Examination [2] - 3:4, 3:7
examination [25] - 12:16, 21:18, 43:21, 43:22, 49:24, 55:6, 55:7, 55:11, 55:24, 55:25, 56:4, 57:16, 57:19, 59:10, 60:2, 60:11, 73:14, 77:8, 83:15, 83:20, 86:17, 91:3, 118:16, 119:13, 127:12
EXAMINATION [2] - 12:25, 53:21
examine [1] - 56:1
examined [3] - 53:19, 62:12, 69:8
examiner [5] - 35:7, 57:17, 62:12, 76:2
Examiners [3] - 60:18, 60:22, 60:24
example [3] - 41:23, 102:3, 107:14
exceed [1] - 86:18
Excel [5] - 102:4, 102:6, 102:22, 106:23, 122:9
except [2] - 5:19, 69:13
exception [3] - 98:17, 98:24
exceptions [1] - 68:1
excessive [1] - 7:21
exchange [2] - 126:3, 126:6
exchanged [1] - 111:21
exchanges [1] - 98:8
excluding [1] - 81:8
exclusion [1] - 116:18
exclusively [1] - 69:16
excuse [5] - 5:18, 38:18, 51:24, 54:12, 123:25
excused [1] - 5:22
exhibit [37] - 8:10, 9:1, 10:4, 11:17, 13:14, 15:2, 15:3, 15:8, 15:11, 25:21, 29:12, 39:6, 40:12, 40:15, 42:11, 42:23, 43:17, 47:15, 47:16, 48:3, 48:5, 48:14, 96:13, 97:21, 109:17, 111:6, 111:17, 111:21, 112:5, 113:2, 120:6, 123:11, 125:14, 126:18
Exhibit [53] - 8:15,

8:16, 8:20, 8:22, 9:1, 9:5, 9:20, 9:22, 10:23, 15:7, 15:15, 20:24, 24:6, 25:1, 25:17, 25:22, 26:3, 26:4, 26:8, 27:22, 28:7, 28:14, 29:22, 36:10, 36:11, 36:17, 36:18, 36:24, 37:2, 38:6, 38:9, 38:13, 41:17, 52:10, 97:20, 99:15, 99:20, 100:17, 109:2, 109:9, 109:12, 110:12, 110:15, 111:2, 111:25, 112:9, 113:16, 113:21, 115:3, 121:20, 123:3, 123:6
exhibits [18] - 9:14, 10:6, 13:7, 13:16, 13:24, 14:1, 14:4, 14:17, 14:18, 14:21, 15:25, 36:17, 36:20, 48:6, 92:23, 109:9, 118:11
existing [1] - 31:21
expect [4] - 89:10, 106:11, 117:11, 117:12
expected [1] - 92:6
experience [2] - 83:5, 85:18
expert [26] - 41:19, 42:7, 42:8, 58:6, 62:17, 62:20, 63:14, 65:4, 65:13, 65:14, 65:23, 66:1, 66:13, 67:8, 67:9, 69:4, 70:2, 79:11, 85:11, 87:22, 102:15, 103:15, 118:10, 118:12, 123:12, 123:14
expert's [1] - 78:22
expertise [8] - 57:8, 68:9, 68:22, 68:24, 102:22, 103:8, 108:20, 116:11
experts [5] - 60:13, 77:24, 118:25, 120:9, 120:12
explain [6] - 45:24, 64:9, 88:20, 105:7, 124:4, 125:14
explained [3] - 46:6, 120:8, 121:14
explaining [2] - 14:24, 14:25
explanation [1] -

44:22
express [1] - 56:14
expressing [2] - 60:2, 83:20
extent [3] - 30:22, 42:22, 103:13
extra [1] - 54:19
extract [1] - 107:13
extracted [3] - 107:24, 123:5, 127:1
extracting [1] - 122:18
extraction [1] - 64:1
extraordinary [1] - 93:11
extremely [1] - 126:15

F

face [1] - 23:16
faceted [1] - 19:8
facsimiles [1] - 56:4
fact [6] - 47:23, 48:10, 56:3, 113:13, 119:2, 122:20
factor [2] - 83:6, 97:2
factories [1] - 61:8
facts [1] - 40:24
fail [3] - 98:16, 98:23, 126:3
failed [1] - 107:22
fair [5] - 14:5, 75:10, 90:15, 119:8
faith [1] - 81:13
fall [1] - 19:18
falling [1] - 65:18
familiar [7] - 72:20, 78:4, 91:2, 94:18, 94:23, 99:14
familiarity [1] - 94:21
familiarize [1] - 95:6
far [16] - 18:10, 24:11, 27:9, 35:23, 42:9, 45:16, 49:22, 76:7, 81:12, 94:21, 94:25, 106:20, 116:10, 126:23, 126:24
fashion [2] - 60:12, 125:23
fast [4] - 27:7, 58:3, 65:15, 101:20
faster [1] - 122:20
father [3] - 57:15, 58:21, 77:16
fault [1] - 90:11
FBI [2] - 67:15, 83:1
FCC [2] - 71:10
federal [1] - 49:23
feed [1] - 100:13
felt [2] - 80:13, 106:7
few [5] - 67:25, 68:14,

69:6, 69:13, 124:9
field [12] - 54:22,
 60:13, 62:20, 65:13,
 65:14, 66:1, 76:19,
 76:20, 77:9, 100:19,
 100:21, 115:7
fields [1] - 100:18
figure [1] - 99:3
fill [1] - 28:18
filter [6] - 100:25,
 101:1, 101:2, 101:3,
 121:16
filtering [2] - 108:1,
 108:3
final [1] - 64:19
fine [15] - 7:17, 7:18,
 22:24, 25:25, 53:8,
 53:9, 63:3, 77:25,
 78:1, 103:18,
 105:19, 106:9,
 110:2, 113:4, 127:7
fingerprints [1] -
 54:13
finish [1] - 46:9
firearms [1] - 54:13
firm [2] - 54:10, 67:6
first [16] - 16:7, 16:22,
 38:1, 53:18, 75:10,
 77:7, 79:5, 98:2,
 98:4, 99:9, 99:12,
 111:1, 114:9,
 125:15, 126:11,
 126:17
fish [1] - 67:19
fit [2] - 50:16, 98:19
five [6] - 72:16, 86:15,
 86:20, 86:25, 87:2,
 124:1
flashing [1] - 95:24
flay [1] - 89:22
Florida [4] - 54:8,
 66:9, 67:9
Flynn [4] - 76:5, 77:5,
 77:11
focus [1] - 24:20
focused [1] - 57:25
folks [1] - 20:19
follow [4] - 41:10,
 106:4, 119:6, 119:8
followed [2] - 44:24,
 79:10
following [4] - 4:3,
 17:2, 41:1, 46:13
follows [1] - 53:19
FOR [1] - 1:2
Ford [1] - 67:1
foregoing [1] - 128:13
foreign [1] - 104:24
forensic [8] - 35:7,
 54:10, 54:11, 55:18,

58:13, 60:4, 76:2,
 77:13
Forensic [4] - 35:9,
 60:18, 60:20, 60:24
Forensics [5] - 54:6,
 54:9, 55:19, 56:18,
 56:22
forged [1] - 67:13
forgeries [1] - 60:9
forget [1] - 67:18
forgive [1] - 66:3
form [15] - 10:15, 12:2,
 19:3, 19:7, 21:8,
 21:9, 21:17, 23:18,
 23:20, 34:10, 39:21,
 39:22, 60:11, 122:3,
 125:23
formal [4] - 25:18,
 26:15, 27:24, 29:25
format [3] - 11:9,
 103:8, 112:11
forming [1] - 97:18
formulated [1] - 30:22
formulating [1] - 22:2
Fort [1] - 54:7
forth [1] - 74:22
forthwith [1] - 7:24
forward [3] - 5:20,
 12:18, 52:22
foundation [52] -
 16:11, 25:4, 25:20,
 37:18, 37:20, 37:25,
 39:5, 39:11, 39:23,
 39:24, 40:9, 40:18,
 40:22, 41:9, 42:10,
 42:21, 42:23, 43:1,
 43:15, 43:17, 43:25,
 45:2, 47:4, 47:19,
 48:5, 72:24, 78:22,
 85:20, 85:22, 86:7,
 89:9, 102:14,
 102:21, 102:25,
 110:20, 111:4,
 112:14, 112:20,
 114:15, 114:16,
 115:16, 116:13,
 116:20, 116:25,
 118:3, 118:12,
 118:20, 118:22,
 119:10, 119:16,
 122:13, 122:16
foundational [2] -
 112:7, 115:22
four [2] - 72:16,
 121:23
frames [1] - 100:11
Franco [3] - 128:11,
 128:21, 128:22
FRANCO [1] - 1:23
fraudulently [1] -

71:11
frequent [2] - 60:10,
 61:25
frequently [3] - 61:22,
 61:24, 67:5
Friday [2] - 20:5, 20:7
front [10] - 8:3, 20:25,
 27:9, 29:12, 34:18,
 40:12, 68:7, 94:24,
 99:6, 106:5
FT [1] - 35:14
fulfilled [1] - 28:1
fulfillment [1] - 29:9
full [4] - 35:14, 54:1,
 54:10, 56:24
full-service [1] - 54:10
full-time [1] - 35:14
function [3] - 97:1,
 104:21, 122:8
functions [3] - 55:20,
 55:22, 105:18
furniture [1] - 40:11

G

gather [1] - 69:25
gathered [1] - 33:10
gears [3] - 30:8, 35:2,
 72:24
general [10] - 17:3,
 31:7, 33:3, 66:11,
 70:9, 84:2, 93:7,
 95:3, 95:8, 114:2
General [1] - 67:1
generally [3] - 9:7,
 60:16, 68:5
generate [1] - 107:4
generated [1] - 115:8
gentleman [4] - 15:21,
 20:10, 23:9, 99:15
GENTLEMAN [4] -
 51:2, 51:6, 51:13,
 51:20
gentlemen [1] - 85:21
genuine [1] - 93:11
geographical [1] -
 61:2
geography [1] - 66:3
Germany [1] - 65:19
gift [1] - 71:5
gimmick [1] - 71:7
given [7] - 25:9, 62:12,
 65:12, 90:23,
 100:19, 114:1, 115:7
gorilla [1] - 91:22
government [4] - 59:8,
 67:7, 67:22, 69:1
governmental [1] -
 66:17
Governor [6] - 4:18,

4:20, 6:17, 10:3,
 14:14, 92:13
grade [2] - 108:19,
 108:21
granted [2] - 58:8,
 91:15
graph [5] - 43:10,
 44:6, 44:7, 44:8,
 44:18
graphics [1] - 74:7
great [2] - 31:24, 41:9
greater [3] - 101:5,
 101:6, 101:10
green [6] - 18:24,
 19:2, 19:5, 19:13,
 19:15, 40:16
grounds [1] - 97:6
Group [1] - 5:5
GROUP [2] - 2:8, 2:9
guard [1] - 27:3
guess [2] - 21:25,
 100:1
Guru [2] - 24:7, 24:15
guy [2] - 76:4, 77:10

H

hac [3] - 2:2, 92:5,
 117:11
half [4] - 63:11, 80:15,
 109:21, 124:9
halfway [1] - 111:10
hand [7] - 36:11,
 43:16, 52:23, 56:10,
 110:12, 122:1,
 122:12
handing [1] - 28:14
Handsel [4] - 104:13,
 104:15, 107:13,
 116:17
handwriting [40] -
 54:22, 55:1, 55:4,
 55:7, 55:9, 55:11,
 56:7, 56:8, 56:9,
 57:9, 57:20, 57:21,
 58:6, 58:19, 59:9,
 59:17, 59:24, 60:1,
 60:3, 60:4, 60:11,
 61:14, 62:3, 63:2,
 63:8, 63:18, 65:4,
 65:5, 66:23, 67:24,
 68:24, 69:10, 69:13,
 69:15, 69:16, 69:18,
 69:21, 70:12, 74:25,
 83:15
handwriting-type [1] -
 63:8
happy [1] - 50:7
harassed [1] - 22:20
hard [2] - 7:6, 40:25

hardcopy [1] - 113:7
Hartman [1] - 2:15
Hartman-Tellez [1] -
 2:15
head [1] - 46:19
headings [3] - 115:6,
 123:24, 125:13
headphones [1] - 5:16
hear [9] - 16:25,
 29:14, 51:5, 64:5,
 75:21, 92:20, 107:6,
 119:12, 127:6
heard [19] - 7:4, 13:12,
 40:7, 60:17, 75:23,
 78:8, 78:21, 79:1,
 93:21, 95:2, 95:18,
 101:21, 102:17,
 103:12, 112:5,
 122:7, 125:16,
 126:24
hearing [8] - 14:7,
 47:9, 68:12, 98:21,
 105:2, 105:14,
 122:4, 126:23
heat [1] - 64:4
help [4] - 15:2, 28:18,
 101:25, 115:23
helpful [1] - 23:3
hereby [1] - 128:13
hesitant [1] - 12:3
hide [1] - 22:4
high [1] - 89:23
high-level [1] - 89:23
highest [1] - 7:1
hip [1] - 71:21
historical [1] - 84:23
historically [1] - 69:14
hit [2] - 39:2, 124:17
Hobbs [7] - 1:8, 4:7,
 4:18, 4:21, 6:17,
 73:10, 87:13
hold [11] - 6:10, 24:17,
 24:18, 26:1, 47:13,
 58:5, 72:23, 78:19,
 88:20
holds [1] - 82:2
Hollywood [1] - 54:8
home [9] - 30:20,
 31:11, 32:22, 33:2,
 33:3, 33:6, 33:20,
 34:2, 34:9
homes [1] - 30:11
homework [3] - 5:25,
 6:8, 8:3
Honda [1] - 67:1
honestly [1] - 41:10
Hong [3] - 64:14,
 64:20, 65:18
Honor [194] - 4:11,
 4:14, 4:18, 4:22, 5:1,

5:4, 5:9, 6:3, 6:13,
6:17, 6:22, 6:23,
7:12, 7:14, 7:19, 8:1,
8:6, 8:13, 8:14, 8:23,
9:2, 9:7, 9:24, 10:1,
10:12, 10:18, 11:3,
11:16, 11:20, 12:11,
12:23, 13:7, 13:9,
13:15, 14:1, 14:3,
14:11, 15:4, 15:12,
15:17, 15:22, 17:4,
17:14, 19:4, 20:1,
21:11, 22:2, 22:22,
24:14, 25:3, 25:21,
25:23, 26:2, 26:6,
26:11, 26:22, 27:19,
28:11, 28:20, 29:11,
29:15, 30:4, 30:22,
31:9, 31:12, 31:19,
31:24, 32:1, 32:14,
32:24, 33:5, 33:9,
34:10, 34:13, 35:21,
35:25, 36:5, 36:14,
37:14, 37:24, 38:3,
38:5, 38:11, 38:23,
39:10, 40:4, 40:6,
40:20, 40:23, 41:6,
41:7, 42:4, 43:3,
43:6, 43:10, 43:16,
44:5, 45:3, 46:8,
46:25, 47:17, 48:8,
48:12, 48:17, 49:19,
50:3, 50:9, 50:18,
51:8, 52:5, 52:8,
52:17, 52:20, 53:4,
53:12, 53:13, 53:15,
54:19, 73:17, 73:20,
77:18, 77:22, 78:20,
78:23, 79:1, 80:16,
81:22, 82:4, 82:8,
83:12, 85:10, 85:25,
86:11, 86:12, 86:15,
87:7, 87:18, 87:23,
88:8, 88:15, 88:22,
89:4, 90:8, 90:10,
90:21, 91:23, 91:24,
92:2, 92:10, 92:12,
93:1, 97:3, 97:13,
97:14, 99:21,
101:22, 102:12,
102:19, 103:17,
105:1, 105:23,
106:21, 107:9,
108:23, 109:9,
109:19, 110:4,
110:10, 110:17,
110:24, 112:1,
112:17, 112:24,
113:6, 113:9,
113:18, 114:13,
114:23, 115:14,

115:15, 116:2,
117:8, 117:18,
117:24, 119:14,
119:17, 120:14,
120:24, 122:11,
122:17, 122:23,
123:10, 123:21,
126:7
Honor's [4] - 92:7,
92:8, 117:9, 117:16
HONORABLE [1] -
1:19
hope [1] - 98:24
horse [1] - 16:19
hour [2] - 51:23,
101:10
hourly [1] - 74:6
hours [1] - 95:23
House [2] - 68:13,
68:15
HOWARD [1] - 2:11
Howard [1] - 4:23
HR [1] - 67:3
huge [1] - 121:22
humans [1] - 122:20
hundred [4] - 62:11,
102:9, 108:21
hundreds [3] - 69:8,
71:22, 72:4
hyper [1] - 91:7
hypothetical [7] -
39:7, 39:10, 39:12,
41:1, 43:4, 43:12,
44:10
hypothetically [1] -
43:19

I

ID [1] - 100:19
idea [4] - 40:16, 40:17,
118:5, 118:19
ideal [1] - 80:6
ideas [1] - 101:16
identification [2] -
113:21, 115:3
identify [1] - 19:21
if-then [1] - 101:4
images [1] - 13:18
imagine [2] - 22:13,
124:15
impacts [1] - 106:16
impeach [1] - 17:11
impeachment [7] -
14:4, 16:6, 16:14,
16:19, 16:20, 16:23,
17:19
implications [1] -
22:17
important [1] - 93:15

improper [1] - 47:8
IN [2] - 1:1, 1:2
inappropriate [1] -
79:13
inclined [1] - 81:3
included [3] - 9:14,
14:22, 56:11
including [2] - 83:17,
95:17
inclusion [1] - 10:4
incompetent [2] -
15:21, 21:5
inconsistent [3] -
78:16, 85:5, 85:7
indeed [3] - 30:1,
35:5, 45:17
independent [2] -
64:23, 65:1
indicate [1] - 18:6
indicated [3] - 6:25,
20:19, 49:13
indication [1] - 46:6
indigence [1] - 90:23
individual [10] - 16:2,
26:17, 30:15, 35:19,
36:1, 66:18, 93:4,
93:13, 94:4, 94:11
individuals [4] -
18:23, 66:14, 75:9,
75:13
infer [2] - 24:3, 27:5
inferring [2] - 46:2,
46:3
information [4] -
27:15, 30:23, 43:9,
45:7
infrequent [1] - 70:21
initial [1] - 89:1
ink [12] - 40:15, 40:16,
58:1, 61:9, 61:10,
63:15, 63:19, 63:23,
63:24, 68:1, 68:3
inks [8] - 54:15, 54:24,
55:21, 55:25, 57:25,
58:2, 61:9, 64:4
input [2] - 106:16,
107:21
inputs [3] - 85:8,
96:22, 104:17
inputted [1] - 93:23
inquires [1] - 106:23
inside [1] - 13:21
inspect [3] - 9:5,
111:14, 111:25
inspected [1] - 10:9
inspection [2] - 79:21,
80:10
instance [8] - 16:12,
16:13, 62:7, 63:15,
71:17, 93:9, 101:8

instances [6] - 58:18,
67:2, 67:21, 68:6,
70:22, 124:8
instead [1] - 57:1
integer [5] - 114:11,
114:12, 124:1,
124:21, 125:2
integer-based [1] -
114:11
intend [2] - 15:25,
88:4
intending [1] - 13:24
intention [2] - 13:25,
88:15
intentional [1] - 95:15
interested [1] - 55:22
interface [1] - 93:24
internal [2] - 59:13,
66:22
interpretation [2] -
105:9, 105:20
interpreted [1] - 98:13
interpreting [2] -
103:9, 126:18
interrupt [1] - 41:6
interrupting [1] -
114:14
interval [1] - 121:25
invalid [1] - 118:17
investigated [1] -
95:10
investigates [1] -
71:10
investigations [1] -
67:4
investigator [2] - 58:9,
58:13
invoked [1] - 119:24
involve [1] - 68:23
involved [5] - 18:21,
62:8, 73:23, 83:4,
108:4
involving [2] - 62:3,
73:23
Islands [1] - 65:19
issue [26] - 5:20,
21:13, 21:21, 26:16,
27:9, 41:9, 59:24,
61:14, 63:2, 63:17,
63:21, 68:8, 74:7,
74:9, 78:12, 79:9,
79:12, 82:13, 82:25,
84:22, 94:1, 94:9,
97:4, 119:17, 119:25
issues [6] - 24:11,
66:23, 72:20, 78:5,
115:24, 119:13

J

Jack [2] - 2:15, 5:10
Jackie [1] - 96:6
Jacqueline [1] - 96:7
Jake [2] - 2:12, 4:24
Jamaica [1] - 65:17
Japan [1] - 65:17
job [4] - 15:24, 18:10,
18:11, 55:18
jobs [1] - 7:5
Joe [1] - 5:9
John [1] - 106:15
join [4] - 14:10, 14:14,
42:6, 92:3
joined [2] - 82:1,
97:11
joining [1] - 92:19
joins [2] - 92:14, 92:17
joint [1] - 68:13
Joseph [1] - 2:14
judge [4] - 64:5,
64:11, 64:16, 64:21
Judge [10] - 13:10,
78:21, 80:18, 81:15,
87:1, 103:20, 107:8,
113:14, 122:6,
122:22
judges [1] - 68:21
judicial [1] - 122:19
jumping [2] - 85:21,
88:24
jurisdictions [4] -
65:3, 65:11, 65:12,
85:17
jury [2] - 113:4, 118:24

K

Karen [1] - 2:15
Kari [5] - 1:5, 4:7,
4:12, 4:15, 6:3
Kathleen [4] - 35:3,
75:22, 76:1, 95:13
Katie [5] - 1:8, 4:7,
4:18, 4:21, 6:17
keep [3] - 62:6,
116:19, 121:5
keeping [1] - 100:12
keeps [1] - 34:13
key [14] - 38:24, 96:25,
98:3, 99:3, 100:22,
101:10, 107:15,
107:17, 114:3,
114:5, 115:9,
121:25, 126:24,
126:25
kid [2] - 76:6, 77:7
kind [6] - 12:3, 24:19,
41:19, 41:24, 66:7,

76:24
knowing [2] - 52:15, 81:4
knowledge [11] - 26:7, 27:6, 27:12, 27:15, 27:16, 27:21, 78:10, 83:8, 85:18, 95:25
known [5] - 70:15, 74:11, 74:16, 76:6, 84:23
knowns [1] - 74:22
knows [2] - 111:22, 122:14
Kong [3] - 64:14, 64:20, 65:18
Kosovo [1] - 65:17
Kurt [2] - 2:2, 4:14

L

Laboratories [1] - 35:9
Laboratory [1] - 57:24
laboratory [6] - 59:1, 59:3, 59:4, 59:14, 63:25, 64:3
lacks [1] - 43:25
laid [6] - 42:23, 43:18, 47:4, 102:14, 114:15, 118:3
Lake [7] - 1:5, 4:7, 4:12, 4:15, 6:3, 73:10, 87:13
language [2] - 64:22, 98:19
large [6] - 56:15, 67:2, 70:23, 74:23, 93:5, 94:5
larger [2] - 56:6, 102:6
LARUE [11] - 91:23, 92:2, 97:13, 107:9, 114:13, 114:23, 117:8, 117:21, 119:14, 122:23, 123:18
LaRue [4] - 2:14, 92:11, 92:17, 92:19
last [12] - 8:14, 19:22, 20:13, 20:14, 24:15, 27:3, 54:3, 59:16, 65:19, 75:6, 95:14, 107:17
late [2] - 10:14, 111:11
Lauderdale [1] - 54:7
LAW [4] - 2:2, 2:3, 2:8, 2:9
law [3] - 32:17, 67:23, 82:19
Law [2] - 5:5, 67:9
laws [1] - 58:10

lawyer [1] - 89:5
lawyers [1] - 66:16
lay [12] - 37:25, 39:11, 39:24, 40:23, 41:9, 42:10, 47:19, 48:5, 89:21, 102:21, 102:24, 119:15
laying [6] - 39:5, 89:9, 110:20, 112:14, 112:20, 122:16
layout [1] - 94:10
layperson [1] - 60:8
leading [4] - 21:19, 125:4, 125:7, 125:8
leaps [2] - 39:24, 43:23
learned [1] - 8:24
least [2] - 78:10, 120:24
leave [2] - 23:11, 65:21
leaving [1] - 44:11
leeway [2] - 24:10, 28:22
left [2] - 12:14, 52:3
legislative [1] - 68:8
lended [1] - 20:22
length [2] - 63:22, 95:18
lenient [1] - 27:8
Leonard [1] - 57:15
less [14] - 61:24, 93:14, 101:5, 101:6, 101:8, 101:9, 104:18, 107:16, 114:10, 123:25, 124:22, 124:24, 124:25, 125:1
lesser [1] - 74:6
letter [1] - 66:24
level [13] - 17:25, 18:18, 18:19, 75:16, 85:8, 89:23, 94:7, 94:19, 94:21, 94:22, 95:15, 95:16, 98:23
license [2] - 58:7, 58:15
licensed [2] - 58:8, 58:12
licenses [1] - 58:5
LIDDY [43] - 5:1, 5:8, 6:23, 7:19, 10:18, 10:24, 11:2, 14:10, 15:4, 15:16, 17:4, 19:3, 21:9, 22:2, 22:7, 22:9, 22:22, 23:18, 25:3, 25:7, 25:20, 30:21, 31:12, 36:15, 37:18, 39:21, 40:6, 40:9, 42:6,

42:21, 43:15, 45:2, 46:8, 46:16, 46:25, 50:3, 50:7, 50:18, 50:22, 51:8, 53:12, 77:18, 97:15
Liddy [4] - 2:14, 5:2, 14:9, 22:1
likely [1] - 20:12
limitation [1] - 84:14
limited [5] - 49:23, 74:23, 119:2, 123:19, 123:20
line [11] - 15:23, 16:3, 26:10, 43:9, 70:8, 70:9, 74:10, 77:19, 81:10, 97:10, 102:13
lined [1] - 54:19
lines [1] - 121:22
link [1] - 98:9
list [2] - 29:12, 65:16
listed [1] - 97:19
listened [1] - 80:12
live [3] - 5:17, 117:19, 119:3
LLC [1] - 2:11
LLP [2] - 2:6, 2:8
local [2] - 58:8, 94:13
locate [1] - 19:17
located [1] - 93:23
log [14] - 30:19, 31:9, 32:22, 33:2, 33:3, 33:5, 33:14, 33:19, 33:25, 34:8, 34:17, 83:25, 99:9
logged [1] - 30:12
logs [2] - 38:25, 99:12
long-distance [1] - 71:1
long-speaking [2] - 81:16, 81:18
look [21] - 9:6, 10:9, 11:5, 11:14, 12:7, 39:18, 44:8, 44:15, 45:15, 72:4, 75:14, 79:3, 84:15, 94:12, 98:4, 100:24, 111:14, 115:5, 120:15
looked [4] - 60:6, 98:7, 98:11, 112:2
looking [11] - 13:12, 23:23, 29:16, 36:25, 37:10, 40:13, 46:4, 70:3, 70:11, 94:15, 94:17
looks [4] - 54:25, 100:6, 100:9, 104:25
Los [1] - 68:3
lost [1] - 41:8
low [1] - 96:13

low-numbered [1] - 96:13
lower [1] - 75:16
Lunch [1] - 127:15
LUZ [1] - 1:23
Luz [2] - 128:11, 128:22

M

MAFs [1] - 61:1
mail [1] - 98:4
main [5] - 24:14, 54:6, 59:14, 98:14
Maine [1] - 66:8
maintain [3] - 58:13, 58:15, 58:22
maintained [1] - 58:25
majority [7] - 63:4, 63:7, 63:9, 63:10, 63:11, 67:5, 69:12
manner [1] - 70:17
manufactured [1] - 58:1
March [1] - 56:20
Maricopa [38] - 2:13, 5:3, 5:6, 5:9, 6:24, 8:17, 10:18, 10:20, 10:23, 18:13, 23:15, 25:8, 25:23, 25:24, 26:23, 27:23, 31:8, 33:19, 34:8, 38:22, 42:18, 43:13, 46:22, 74:20, 76:11, 77:24, 78:6, 82:14, 83:25, 94:19, 95:7, 96:4, 96:11, 96:16, 97:19, 100:17, 103:24, 128:13
MARICOPA [2] - 1:2, 128:9
Maricopa's [1] - 85:12
mark [3] - 12:7, 54:13, 110:1
marked [19] - 11:12, 13:23, 14:4, 15:10, 24:6, 25:1, 25:16, 28:14, 99:15, 109:6, 109:8, 109:23, 110:3, 110:5, 110:8, 111:21, 113:21, 115:3
marking [1] - 109:17
mass [9] - 60:3, 60:4, 71:18, 71:19, 72:7, 73:24, 74:3, 93:17
massage [1] - 31:6
matches [1] - 72:12
material [1] - 18:9
materials [3] - 75:25,

96:3, 96:12
math [3] - 41:25, 42:2, 116:9
mathematical [1] - 122:5
Matter [1] - 1:4
matter [9] - 5:14, 6:5, 7:22, 80:1, 85:19, 94:11, 106:17, 118:23, 120:11
matters [4] - 68:8, 70:14, 73:24, 81:4
MCAO [1] - 5:10
MCTEC [2] - 13:8, 13:22
mean [15] - 11:21, 41:6, 45:25, 55:21, 61:25, 63:9, 63:12, 66:4, 67:3, 68:5, 70:25, 71:6, 98:24, 125:14, 126:2
meaning [4] - 19:16, 108:8, 112:22
means [11] - 7:7, 47:18, 89:12, 94:16, 103:9, 114:11, 124:12, 124:21, 124:24, 125:1, 125:22
media [8] - 24:6, 24:13, 24:19, 24:22, 24:25, 25:17, 26:14, 28:2
meeting [1] - 77:8
meetings [5] - 59:24, 76:21, 76:23, 77:10, 83:18
members [1] - 24:25
memory [4] - 16:15, 26:1, 57:1, 97:22
mentioned [2] - 64:7, 77:1
merely [3] - 64:21, 87:24, 115:16
met [1] - 77:7
method [1] - 74:5
Mexico [2] - 65:17, 66:6
Michigan [5] - 54:7, 57:12, 57:17, 58:9, 68:15
Microsoft [5] - 100:23, 102:24, 104:2, 104:4, 104:8
middle [2] - 14:7, 73:1
midmorning [1] - 52:16
might [7] - 39:18, 60:7, 60:17, 66:5, 67:15, 83:2, 98:21

might've [4] - 68:1, 68:16, 80:13, 123:8
mildly [1] - 26:20
million [3] - 93:13, 121:22
millisecond [1] - 124:9
mind [4] - 16:17, 65:1, 100:12, 116:19
minds [1] - 118:8
mine [1] - 93:16
minor [1] - 50:7
minute [3] - 88:9, 89:3, 116:18
minutes [12] - 23:1, 73:3, 73:5, 86:15, 86:19, 86:20, 86:25, 87:3, 120:18, 120:19, 124:13, 124:15
mis [1] - 103:10
misinterpreted [1] - 98:22
mislead [1] - 63:6
misleading [1] - 124:23
missing [2] - 66:9, 111:6
mistake [1] - 98:21
mistaken [1] - 92:18
misunderstanding [1] - 112:9
modify [1] - 72:13
moment [2] - 9:17, 65:7
monitor [3] - 53:5, 53:6, 74:15
months [3] - 56:21, 68:14, 91:16
Morgan [5] - 2:11, 4:23, 91:1, 113:12, 115:13
MORGAN [75] - 4:22, 6:21, 7:14, 9:6, 9:13, 9:24, 13:9, 14:3, 20:1, 21:8, 23:17, 24:8, 25:19, 28:20, 30:3, 31:19, 32:1, 34:10, 35:18, 37:24, 38:3, 38:7, 41:5, 42:4, 42:7, 49:15, 53:13, 78:20, 80:16, 81:15, 82:4, 83:9, 85:24, 86:12, 86:14, 86:22, 87:1, 88:16, 88:19, 90:10, 90:15, 90:19, 91:9, 91:11, 91:18, 91:20, 92:22, 92:25, 97:14, 102:12, 103:19,

105:1, 105:12, 105:21, 106:7, 106:18, 107:7, 109:25, 110:6, 110:19, 112:1, 113:9, 113:14, 115:14, 119:17, 119:21, 120:3, 120:7, 120:13, 122:3, 122:13, 122:22, 123:17, 123:21, 125:4
morning [20] - 4:11, 4:13, 4:14, 4:16, 4:17, 4:19, 4:22, 5:1, 5:4, 5:8, 5:12, 6:16, 8:25, 10:4, 13:3, 13:4, 53:24, 53:25, 73:4, 110:1
most [15] - 8:21, 19:22, 22:13, 61:16, 65:16, 66:15, 67:25, 68:25, 69:2, 69:16, 69:20, 71:20, 72:14, 72:17
mostly [1] - 80:24
motions [1] - 80:24
Motors [1] - 67:1
move [12] - 5:20, 25:13, 48:18, 53:5, 85:11, 90:5, 105:6, 113:10, 114:6, 120:18, 122:25, 123:10
moved [2] - 19:19, 20:20
moving [2] - 19:5, 77:25
MR [311] - 4:11, 4:14, 4:22, 5:1, 5:8, 6:3, 6:7, 6:8, 6:9, 6:13, 6:21, 6:23, 7:10, 7:12, 7:14, 7:19, 7:25, 8:5, 8:13, 9:6, 9:13, 9:24, 10:18, 10:22, 10:24, 11:1, 11:2, 12:23, 13:2, 13:5, 13:9, 13:15, 13:25, 14:3, 14:10, 15:4, 15:5, 15:12, 15:16, 16:9, 16:16, 16:24, 17:4, 17:7, 17:13, 17:17, 17:22, 19:3, 19:9, 19:11, 20:1, 20:6, 21:8, 21:9, 22:2, 22:7, 22:9, 22:22, 23:8, 23:17, 23:18, 24:4, 24:8, 24:14, 24:23, 25:3, 25:7, 25:15,

25:19, 25:20, 25:22, 26:4, 26:9, 26:13, 26:21, 27:19, 27:20, 28:11, 28:13, 28:20, 28:24, 29:7, 29:11, 29:15, 29:18, 30:3, 30:4, 30:7, 30:21, 31:2, 31:5, 31:12, 31:17, 31:19, 31:23, 32:1, 32:2, 32:5, 32:8, 32:13, 32:16, 32:23, 33:5, 33:8, 33:17, 34:10, 34:13, 34:15, 35:18, 35:19, 35:24, 36:5, 36:8, 36:13, 36:15, 36:17, 36:22, 36:25, 37:2, 37:5, 37:18, 37:21, 37:24, 38:3, 38:5, 38:7, 38:10, 38:15, 38:18, 38:21, 39:9, 39:16, 39:21, 39:25, 40:4, 40:6, 40:9, 40:22, 41:5, 41:12, 42:4, 42:6, 42:7, 42:8, 42:14, 42:21, 43:3, 43:12, 43:15, 44:5, 44:13, 44:16, 45:2, 45:23, 46:8, 46:10, 46:16, 46:18, 46:25, 47:12, 47:17, 47:21, 48:8, 48:12, 48:17, 48:19, 49:15, 49:16, 49:18, 50:3, 50:7, 50:18, 50:22, 51:8, 52:5, 52:8, 52:10, 52:17, 52:20, 53:4, 53:7, 53:12, 53:13, 53:15, 53:23, 54:21, 73:17, 73:20, 73:21, 77:18, 77:21, 78:2, 78:3, 78:20, 80:16, 81:15, 81:22, 82:4, 82:8, 82:11, 83:9, 83:12, 83:13, 85:10, 85:15, 85:24, 86:9, 86:12, 86:14, 86:22, 87:1, 87:7, 87:18, 88:14, 88:16, 88:19, 88:22, 89:4, 90:8, 90:10, 90:15, 90:19, 90:22, 91:9, 91:11, 91:18, 91:20, 91:23, 92:2, 92:22, 92:25, 93:1, 93:2, 97:13, 97:14, 97:15, 97:17, 100:15, 102:2, 102:12, 102:19, 102:21, 103:4, 103:17, 103:19, 103:22,

105:1, 105:12, 105:21, 106:7, 106:18, 107:7, 107:9, 107:10, 108:23, 109:1, 109:7, 109:12, 109:19, 109:25, 110:4, 110:5, 110:6, 110:10, 110:13, 110:17, 110:19, 110:24, 111:8, 111:18, 112:1, 112:17, 112:24, 113:2, 113:6, 113:9, 113:14, 113:18, 113:19, 114:13, 114:23, 115:1, 115:14, 117:8, 117:21, 119:14, 119:17, 119:21, 120:3, 120:7, 120:13, 120:14, 120:23, 121:6, 122:3, 122:11, 122:13, 122:16, 122:22, 122:23, 123:2, 123:10, 123:14, 123:17, 123:18, 123:21, 123:22, 125:4, 125:6, 125:11, 125:12
MS [23] - 4:17, 4:20, 5:4, 6:16, 10:1, 10:3, 10:12, 11:15, 12:11, 14:14, 21:10, 21:13, 26:2, 26:6, 37:14, 37:19, 92:12, 97:3, 97:9, 99:21, 106:21, 116:2, 126:7
multi [1] - 19:8
multi-faceted [1] - 19:8
myriad [3] - 64:6, 64:15, 101:14

N

name [5] - 35:3, 54:1, 54:3, 75:21, 95:14
named [2] - 76:4, 106:15
names [3] - 65:12, 70:5, 125:18
narrow [1] - 63:21
national [1] - 67:19
National [1] - 57:24
nationally [1] - 67:12
Natural [2] - 57:11, 57:24

naturally [1] - 83:5
nature [3] - 79:19, 80:8, 80:9
NBA [1] - 66:21
NCAA [1] - 66:20
nearly [3] - 55:3, 124:8, 124:10
necessarily [2] - 102:6, 117:23
need [15] - 7:25, 9:9, 21:23, 23:2, 29:17, 41:3, 45:7, 50:10, 54:16, 72:25, 86:17, 88:9, 99:25, 108:8, 118:22
needed [2] - 17:9, 19:18
needs [3] - 7:16, 37:25, 45:20
negative [1] - 23:16
network [4] - 30:13, 30:19, 31:10, 34:1
Nevada [1] - 66:6
never [5] - 8:2, 16:17, 46:5, 63:18, 71:9
new [2] - 15:24, 59:21
New [1] - 66:6
newly [1] - 111:20
news [2] - 24:18, 110:14
News [2] - 24:7, 24:15
next [10] - 7:5, 31:24, 32:9, 52:2, 74:18, 85:4, 99:4, 99:7, 124:14, 126:1
NHL [2] - 66:21
nice [1] - 77:10
Nicolaides [5] - 35:4, 75:22, 76:1, 76:10, 95:13
night [3] - 8:14, 24:15, 27:4
nineteen [3] - 15:4, 15:5, 15:6
nobody [2] - 55:22, 79:9
nominating [1] - 69:21
noon [4] - 120:20, 124:13, 124:15, 127:8
norm [1] - 61:11
normal [1] - 58:16
normally [2] - 55:14, 69:6
Northern [1] - 64:12
note [1] - 66:24
notes [2] - 75:5, 128:15
nothing [5] - 11:10, 88:2, 89:19, 112:10,

122:17
notice [1] - 122:19
notified [1] - 8:24
November [12] - 17:2,
 17:9, 18:5, 18:8,
 20:5, 20:7, 20:11,
 20:24, 21:3, 30:24,
 31:7, 42:19
Number [1] - 38:6
number [26] - 28:9,
 36:15, 37:13, 44:18,
 62:21, 63:5, 65:2,
 65:10, 65:11, 69:25,
 82:18, 93:8, 93:19,
 93:20, 95:10, 97:21,
 101:15, 102:7,
 111:6, 113:25,
 115:7, 115:10,
 125:17, 125:20,
 125:22, 126:1
numbered [2] - 9:1,
 96:13
numbers [9] - 11:22,
 11:25, 37:11, 70:23,
 101:7, 108:7, 116:9,
 118:4, 123:8

O

o'clock [2] - 124:13
O'Connor [2] - 2:15,
 5:10
oath [2] - 12:18, 46:24
object [18] - 9:8, 9:14,
 10:3, 10:15, 11:21,
 13:9, 13:12, 22:7,
 37:19, 85:25, 90:10,
 97:5, 105:2, 105:25,
 106:11, 106:25,
 119:19, 119:21
objecting [4] - 9:16,
 40:9, 114:16, 116:13
objection [57] - 6:4,
 6:17, 6:22, 12:4,
 12:10, 17:4, 19:3,
 20:1, 21:8, 21:10,
 22:23, 23:17, 24:8,
 25:3, 25:19, 25:20,
 28:20, 30:3, 30:21,
 31:12, 31:19, 34:10,
 35:18, 39:21, 41:5,
 41:7, 42:4, 42:21,
 43:15, 45:2, 46:16,
 46:25, 47:14, 49:15,
 77:18, 78:20, 79:15,
 81:17, 82:1, 83:9,
 86:7, 92:4, 92:14,
 97:3, 97:8, 99:21,
 102:12, 111:3,
 111:10, 115:15,
 116:1, 116:3, 122:3,
 123:16, 125:4,
 126:8, 126:21
objections [4] - 14:15,
 81:18, 115:24, 120:5
obviously [2] - 41:18,
 69:8
occasion [1] - 61:11
occasional [1] - 59:12
occur [2] - 119:19,
 119:22
occurred [1] - 93:7
October [1] - 42:18
OF [6] - 1:1, 1:2, 1:18,
 128:4, 128:8, 128:9
off-the-shelf [1] -
 103:25
offend [1] - 77:15
offer [11] - 7:21, 13:24,
 29:17, 32:4, 32:6,
 32:8, 39:15, 83:2,
 114:17, 126:19,
 127:3
offered [13] - 14:19,
 65:22, 66:1, 69:3,
 69:5, 69:9, 76:11,
 87:22, 103:15,
 105:4, 106:6,
 118:22, 123:19
offering [8] - 13:25,
 14:16, 35:13, 58:5,
 76:19, 103:2,
 120:10, 120:11
office [8] - 28:5,
 46:24, 54:6, 54:8,
 74:6, 74:24, 75:9,
 75:19
Office [9] - 2:13, 5:3,
 5:10, 6:25, 67:18,
 67:20, 68:2, 68:4,
 104:5
officers [1] - 35:15
offices [2] - 67:11,
 67:12
Offices [1] - 30:16
Official [1] - 128:23
official [2] - 1:8,
 128:11
officially [1] - 87:11
often [3] - 70:14,
 70:19, 72:9
Ohio [1] - 64:12
older [1] - 62:15
OLSEN [77] - 2:2,
 4:14, 6:8, 6:13, 8:13,
 10:22, 11:1, 52:5,
 52:17, 52:20, 53:4,
 53:7, 53:15, 53:23,
 54:21, 73:17, 73:20,
 73:21, 77:21, 78:2,

78:3, 81:22, 82:8,
 82:11, 83:12, 83:13,
 85:10, 85:15, 86:9,
 87:7, 87:18, 88:14,
 88:22, 90:8, 90:22,
 93:1, 93:2, 97:17,
 100:15, 102:2,
 102:19, 102:21,
 103:4, 103:17,
 103:22, 107:10,
 108:23, 109:1,
 109:7, 109:12,
 109:19, 110:5,
 110:10, 110:13,
 110:17, 110:24,
 111:8, 111:18,
 112:17, 112:24,
 113:2, 113:6,
 113:18, 113:19,
 115:1, 120:14,
 120:23, 121:6,
 122:11, 122:16,
 123:2, 123:10,
 123:14, 123:22,
 125:6, 125:11,
 125:12
Olsen [19] - 2:2, 3:7,
 4:15, 6:12, 52:15,
 53:3, 73:16, 81:20,
 82:7, 87:17, 88:21,
 97:16, 102:20,
 103:16, 110:23,
 112:20, 113:8,
 115:22, 121:4
once [3] - 78:18,
 100:18, 124:4
one [69] - 5:13, 5:20,
 8:19, 10:21, 10:24,
 11:10, 18:24, 27:11,
 27:14, 30:16, 36:20,
 37:1, 43:4, 45:20,
 52:3, 56:7, 57:2,
 57:22, 58:10, 59:14,
 59:20, 59:21, 60:10,
 60:12, 61:16, 62:8,
 62:9, 63:15, 65:20,
 65:25, 66:23, 68:6,
 70:5, 71:20, 72:15,
 72:17, 72:18, 74:10,
 76:13, 76:22, 77:4,
 78:15, 84:21, 84:22,
 84:23, 89:5, 92:17,
 93:10, 93:14, 94:1,
 94:4, 95:17, 96:6,
 96:8, 97:11, 99:6,
 99:9, 99:10, 99:12,
 99:13, 101:18,
 104:13, 105:25,
 106:22, 109:21,
 112:3, 112:4, 117:7,
 125:15

one-sided [2] - 8:19,
 11:10
one-year [1] - 57:22
ones [5] - 59:7, 66:4,
 69:13, 75:2, 75:5
Onigkeit [1] - 96:7
online [1] - 104:3
onsite [1] - 30:16
open [2] - 4:3, 89:22
opening [2] - 17:5,
 17:20
openness [1] - 7:20
operate [1] - 102:22
operated [1] - 96:15
operating [2] - 102:3,
 102:24
opine [1] - 85:19
opinion [17] - 39:15,
 41:2, 55:14, 63:16,
 64:14, 64:16, 78:18,
 83:2, 83:3, 83:6,
 104:1, 105:4, 106:2,
 106:5, 108:5, 117:9,
 127:3
opinions [15] - 58:6,
 69:3, 69:5, 69:9,
 88:7, 89:10, 89:11,
 96:18, 96:24, 97:2,
 97:18, 106:16,
 116:6, 118:19,
 126:19
opportunity [3] - 9:5,
 9:6, 119:12
opposite [2] - 82:6,
 92:20
Orange [1] - 68:2
order [1] - 70:1
ordered [1] - 59:21
organization [2] -
 27:17, 60:17
organization's [1] -
 26:19
organizations [5] -
 24:6, 60:25, 66:20,
 76:22, 83:19
origin [1] - 56:5
original [1] - 111:6
originally [1] - 87:22
otherwise [2] - 92:19,
 119:1
ourselves [2] - 23:24,
 24:2
outcome [1] - 108:12
outlets [2] - 25:17,
 26:15
outright [1] - 123:13
outside [6] - 27:22,
 32:14, 59:5, 59:15,
 59:17, 126:10
overall [2] - 70:11,

125:22
overkill [1] - 113:16
overlooked [1] -
 114:20
overly [1] - 49:2
overrule [3] - 12:3,
 21:16, 23:20
oversee [1] - 46:20
overwhelmed [1] -
 79:21
own [4] - 60:19, 67:4,
 76:15, 95:25

P

P.C [1] - 2:2
packaged [1] - 104:4
packets [3] - 19:5,
 19:17, 19:18
page [16] - 11:17,
 11:19, 36:12, 36:15,
 36:19, 36:22, 37:3,
 38:9, 38:13, 38:15,
 40:15, 105:24,
 107:7, 109:10,
 111:7, 111:12
PAGE [1] - 3:2
pages [1] - 128:13
paper [5] - 58:2, 61:7,
 63:23, 71:4
papers [5] - 57:25,
 62:1, 83:14, 83:16,
 83:18
parameters [1] - 42:11
paraphrasing [1] -
 15:22
parcel [1] - 29:5
pardon [2] - 51:4
part [15] - 7:8, 22:10,
 29:5, 30:12, 55:7,
 56:6, 56:24, 78:18,
 80:11, 83:5, 83:8,
 83:18, 104:4,
 104:22, 126:17
participate [4] - 48:20,
 61:18, 121:9, 121:12
participated [1] -
 59:23
participation [2] -
 41:24, 123:4
particular [9] - 17:24,
 21:15, 28:3, 45:13,
 91:6, 102:22,
 121:15, 127:4
particularly [2] -
 67:23, 77:23
parties [7] - 5:19,
 5:22, 8:7, 8:10,
 73:12, 87:15, 87:16
partners [1] - 56:7

- parts** [2] - 100:5, 100:9
- party** [5] - 21:18, 66:16, 67:6, 73:11, 87:15
- pass** [4] - 98:15, 98:23, 114:5, 126:5
- passed** [2] - 107:22, 126:2
- past** [3] - 56:18, 69:21, 70:20
- pattern** [1] - 44:25
- pause** [1] - 5:17
- PC** [3] - 33:14, 34:18
- peak** [1] - 46:1
- peaks** [4] - 45:16, 45:17, 45:21, 45:25
- pens** [2] - 61:10
- people** [18] - 26:24, 36:10, 59:10, 70:7, 70:16, 71:9, 75:20, 80:6, 95:9, 95:16, 95:20, 95:21, 95:23, 98:25, 117:21, 118:6, 119:3, 125:18
- per** [5] - 58:7, 89:5, 103:16, 121:23
- percent** [2] - 98:15, 108:21
- percentage** [3] - 98:15, 108:12, 125:25
- percentages** [1] - 116:9
- perfect** [1] - 75:6
- perform** [7] - 33:6, 33:20, 55:18, 58:23, 67:10, 75:9, 79:25
- performance** [8] - 20:17, 20:19, 20:21, 21:6, 23:11, 42:17, 84:1, 97:4
- performed** [7] - 21:14, 69:10, 72:9, 82:14, 95:7, 97:5, 122:8
- performing** [4] - 19:12, 47:24, 79:21, 99:16
- perhaps** [7] - 56:3, 83:21, 101:14, 108:1, 117:22
- period** [2] - 62:13, 114:1
- PERKINS** [1] - 2:6
- permanent** [1] - 35:15
- permits** [2] - 61:19, 61:20
- person** [16] - 16:14, 16:15, 21:15, 69:24, 70:4, 70:5, 70:7, 70:10, 71:5, 89:6, 103:2, 105:16, 117:3, 117:4, 125:19, 125:21
- personal** [3] - 27:16, 27:21, 35:16
- personally** [2] - 1:8, 6:23
- perspective** [2] - 7:15, 117:9
- PETER** [1] - 1:19
- petitions** [3] - 69:22, 70:21
- Philadelphia** [1] - 77:12
- phoenix** [1] - 1:15
- Phoenix** [3] - 4:1, 76:3, 76:4
- phonetic** [2] - 61:1
- photocopiers** [1] - 56:4
- photographic** [2] - 26:1, 27:6
- phrase** [2] - 55:14, 84:12
- phrased** [3] - 22:18, 33:1, 107:4
- physical** [2] - 19:15, 112:10
- physically** [7] - 34:8, 78:14, 79:24, 80:10, 82:22, 84:13, 114:20
- picture** [1] - 44:1
- pictures** [4] - 50:25, 51:1, 51:7, 51:17
- piece** [4] - 71:4, 98:14, 118:17, 121:23
- pieces** [1] - 98:14
- piles** [1] - 19:1
- place** [4] - 32:10, 32:14, 51:11, 51:25
- Plaintiff** [3] - 4:12, 4:15, 6:3
- plaintiff** [3] - 79:19, 117:6, 119:16
- plaintiffs** [5] - 52:20, 71:20, 71:22, 72:4, 85:11
- Plaintiffs** [2] - 3:3, 3:6
- plaintiffs'** [2] - 79:24, 97:20
- play** [3] - 13:17, 49:1, 113:1
- players** [2] - 66:21, 95:4
- Players** [1] - 66:21
- plays** [1] - 58:16
- pleading** [1] - 80:1
- PLLC** [1] - 2:3
- point** [17] - 9:19, 27:14, 33:12, 35:23, 36:19, 41:10, 45:5, 62:10, 72:3, 80:5, 81:13, 96:9, 99:10, 106:10, 106:11, 106:20, 112:13
- pointed** [1] - 43:17
- pointing** [1] - 118:10
- points** [1] - 100:7
- Police** [2] - 57:18, 77:12
- politics** [1] - 70:2
- poorly** [1] - 32:25
- popping** [1] - 79:16
- portion** [1] - 7:7
- posed** [3] - 43:2, 45:8, 105:15
- position** [8] - 9:7, 10:19, 22:15, 79:23, 79:24, 80:22, 91:1, 91:4
- positions** [1] - 6:2
- positively** [1] - 97:21
- possession** [1] - 19:13
- possible** [14] - 17:19, 20:9, 27:8, 30:18, 31:15, 32:21, 32:24, 33:1, 34:8, 74:5, 78:14, 79:24, 80:10, 80:25
- possibly** [1] - 26:7
- potentially** [2] - 23:25, 37:11
- practice** [1] - 69:1
- predicated** [1] - 118:19
- prefer** [2] - 7:20, 98:17
- preferred** [1] - 74:5
- prejudicial** [2] - 118:1, 126:16
- preparation** [1] - 8:14
- prepare** [1] - 74:7
- prepared** [5] - 9:1, 84:4, 116:13, 116:14
- prescription** [1] - 67:13
- present** [10] - 30:17, 31:24, 32:9, 61:25, 73:11, 80:2, 87:14, 100:11, 103:7, 115:6
- presentation** [2] - 79:19, 89:1
- presented** [7] - 11:9, 72:21, 83:16, 83:18, 94:22, 111:23
- presenter** [1] - 61:25
- preserve** [1] - 86:1
- preserved** [1] - 86:4
- President** [1] - 27:3
- presume** [1] - 78:25
- pretend** [1] - 11:2
- pretty** [4] - 24:11, 35:22, 78:10, 121:2
- previous** [1] - 15:1
- previously** [2] - 11:11, 15:10
- primarily** [4] - 54:7, 57:25, 58:14, 83:19
- primary** [2] - 55:20, 58:3
- printed** [1] - 8:18
- printers** [2] - 56:4, 61:6
- printing** [2] - 56:10, 69:14
- printout** [1] - 112:10
- private** [4] - 26:17, 58:8, 58:12, 64:3
- privilege** [1] - 33:13
- pro** [3] - 2:2, 92:5, 117:11
- problem** [3] - 9:20, 12:8, 43:20
- problems** [3] - 75:2, 98:25, 112:7
- procedural** [1] - 12:5
- Procedure** [1] - 92:5
- procedure** [4] - 90:12, 91:7, 92:6, 119:5
- procedures** [2] - 96:10, 96:11
- proceed** [9] - 7:1, 7:4, 7:22, 73:18, 82:7, 86:8, 89:10, 90:20, 103:21
- proceeding** [4] - 5:17, 6:18, 13:13, 119:9
- proceedings** [2] - 4:3, 72:3
- PROCEEDINGS** [1] - 1:18
- process** [20] - 14:25, 18:22, 19:16, 31:20, 31:21, 31:22, 31:23, 47:9, 79:5, 79:8, 79:9, 80:21, 81:5, 84:24, 85:6, 93:22, 95:10, 95:19, 95:24, 104:23
- processes** [2] - 69:14, 116:7
- produced** [5] - 8:17, 11:18, 29:21, 40:17, 103:24
- producing** [1] - 49:1
- product** [2] - 104:2, 112:12
- production** [1] - 48:21
- professional** [3] - 76:8, 76:15, 108:9
- proficiency** [8] - 58:23, 58:25, 59:4, 59:5, 59:12, 59:13, 59:15, 59:17
- program** [5] - 57:15, 57:22, 101:13, 105:14, 107:4
- programming** [1] - 104:24
- progress** [1] - 73:14
- progresses** [1] - 110:21
- pronouncing** [1] - 95:14
- proof** [4] - 32:4, 32:7, 32:8, 80:11
- proper** [2] - 9:23, 48:13
- properly** [1] - 49:12
- properties** [2] - 63:24, 64:1
- proportionally** [1] - 94:8
- proposed** [1] - 12:10
- prosecution** [1] - 67:15
- Prosecutor's** [2] - 68:2, 68:4
- prosecutors'** [1] - 67:11
- protect** [4] - 22:19, 23:14, 23:23, 91:13
- protecting** [3] - 23:24, 24:2, 32:5
- protocol** [3] - 33:15, 33:22, 34:3
- protocols** [1] - 34:14
- provide** [5] - 40:18, 59:7, 67:10, 101:4, 101:5
- provided** [13] - 24:5, 26:14, 35:1, 70:15, 79:17, 82:17, 83:25, 96:4, 96:6, 97:19, 98:6, 100:17, 112:11
- provides** [1] - 35:10
- providing** [2] - 44:11, 98:9
- public** [19] - 8:18, 22:4, 24:21, 24:24, 25:18, 26:15, 26:19, 27:12, 27:17, 27:24, 28:1, 28:4, 28:10, 28:16, 28:18, 29:9, 49:7, 97:23
- public's** [1] - 32:14
- published** [2] - 83:14, 83:16
- pull** [2] - 49:4, 49:6

pulled ^[1] - 89:24
purchasing ^[1] - 104:7
purportedly ^[1] - 10:19
purpose ^[6] - 15:7, 109:17, 119:2, 123:20, 126:19
purposes ^[11] - 9:9, 9:15, 14:2, 62:16, 74:24, 80:17, 98:23, 123:12, 123:13, 123:14, 126:12
pursuant ^[1] - 8:17
purview ^[1] - 32:14
push ^[2] - 20:13, 115:21
put ^[18] - 12:6, 17:6, 27:7, 39:6, 60:24, 61:2, 61:10, 69:23, 89:17, 89:18, 90:2, 90:3, 91:4, 109:4, 109:16, 113:2, 116:8, 118:8
puts ^[2] - 60:14, 121:2

Q

qualifications ^[1] - 89:9
qualified ^[1] - 116:4
quantum ^[1] - 43:23
queries ^[5] - 102:11, 105:15, 106:23, 107:1, 115:5
query ^[3] - 100:23, 101:14, 104:20
questioned ^[1] - 46:9
questioning ^[5] - 77:19, 88:5, 88:6, 97:11, 102:13
Questioning ^[1] - 60:22
questions ^[24] - 16:22, 31:5, 37:22, 37:23, 40:19, 47:22, 47:23, 48:15, 74:22, 86:6, 86:10, 87:25, 88:11, 88:16, 89:12, 90:1, 90:9, 90:14, 92:15, 110:15, 116:17, 120:20, 121:5
queue ^[1] - 20:14
quick ^[3] - 28:23, 28:24, 86:16
quickly ^[2] - 91:25, 100:10
quite ^[2] - 77:4, 114:4
quoted ^[1] - 64:14

R

raise ^[3] - 12:9, 52:23, 86:7
raised ^[1] - 90:4
range ^[3] - 62:11, 62:12, 124:20
Rapp ^[2] - 2:12, 4:24
rate ^[3] - 74:6, 114:3, 123:24
rather ^[1] - 73:1
raw ^[2] - 49:11, 121:20
Ray ^[4] - 13:3, 16:25, 17:23, 27:21
RAY ^[1] - 3:3
Ray's ^[1] - 15:17
re ^[11] - 1:4, 8:7, 20:15, 23:2, 23:6, 23:24, 50:15, 54:12, 69:22, 82:8, 91:5
re-allowing ^[1] - 91:5
re-ask ^[3] - 23:2, 23:6, 82:8
re-assign ^[2] - 20:15, 23:24
re-call ^[2] - 50:15, 69:22
re-enter ^[1] - 8:7
read ^[3] - 63:16, 85:4, 103:6
reading ^[1] - 127:2
ready ^[6] - 7:22, 12:22, 52:7, 54:18, 64:5, 73:19
realized ^[1] - 8:15
really ^[5] - 21:6, 50:9, 50:11, 58:16, 118:9
reason ^[7] - 10:12, 18:4, 18:7, 20:19, 24:15, 42:15, 118:10
reasonable ^[1] - 124:11
reasons ^[1] - 64:6
reassigned ^[5] - 20:13, 21:4, 21:6, 23:10, 23:13
rebut ^[1] - 89:19
rebuttal ^[4] - 50:24, 89:17, 89:18, 90:3
receipt ^[1] - 104:14
received ^[3] - 10:5, 106:2, 124:6
recent ^[2] - 69:13, 71:20
recess ^[4] - 73:4, 86:16, 87:2, 127:15
Recess ^[2] - 73:7, 87:5
recognize ^[2] - 50:14, 113:20
recollection ^[3] -

15:17, 16:1, 16:7
reconstruction ^[1] - 54:13
record ^[25] - 8:11, 10:7, 12:7, 26:18, 32:5, 34:6, 54:2, 72:10, 73:10, 73:11, 84:9, 85:24, 86:1, 87:8, 87:10, 87:12, 87:14, 91:25, 92:13, 101:25, 105:2, 109:4, 111:5, 112:21, 117:10
recorded ^[1] - 39:3
Recorder ^[1] - 118:2
Recorder's ^[2] - 6:25, 30:16
records ^[24] - 8:18, 24:21, 24:25, 25:8, 25:18, 26:15, 26:20, 27:12, 27:17, 27:24, 28:1, 28:2, 28:4, 28:10, 28:16, 28:18, 29:9, 29:22, 29:23, 29:25, 49:8, 72:14, 93:23, 97:23
recovery ^[1] - 54:12
red ^[2] - 19:2, 40:15
redirect ^[3] - 50:20, 88:12, 89:15
refer ^[2] - 63:20, 70:6
reference ^[2] - 16:15, 18:9
referendum ^[1] - 69:24
referred ^[1] - 63:10
referring ^[2] - 17:5, 42:22
reflects ^[1] - 92:13
refresh ^[2] - 15:17, 16:1
refreshing ^[1] - 16:6
regard ^[7] - 11:11, 22:14, 27:8, 43:16, 51:11, 81:3, 126:24
regarding ^[4] - 15:19, 67:24, 69:14, 123:5
regards ^[2] - 26:19, 68:1
regional ^[1] - 60:25
registrations ^[1] - 71:16
regularly ^[1] - 72:6
relate ^[3] - 84:7, 90:2, 124:5
related ^[23] - 16:23, 30:23, 31:6, 48:15, 58:5, 58:14, 60:20, 61:13, 63:15, 68:3, 69:4, 69:11, 69:12,

69:13, 69:17, 72:7, 72:21, 78:5, 81:8, 97:22, 108:14, 113:24, 114:5
relates ^[3] - 55:20, 57:20, 69:21
relations ^[1] - 67:12
relationship ^[3] - 35:17, 35:25, 77:23
relative ^[1] - 74:12
relevance ^[23] - 20:2, 21:10, 21:17, 23:17, 23:20, 24:8, 25:4, 25:19, 26:20, 27:9, 28:21, 30:3, 30:21, 31:20, 34:11, 35:18, 36:4, 42:5, 49:15, 77:19, 78:21, 83:9, 97:5
relevant ^[5] - 60:16, 83:2, 83:3, 83:4, 116:24
reliable ^[1] - 124:10
reliance ^[1] - 126:10
relied ^[6] - 64:7, 118:13, 118:14, 119:11, 120:12
relieved ^[2] - 17:1, 17:25
rely ^[1] - 118:25
relying ^[2] - 103:13, 120:9
remain ^[1] - 12:18
remember ^[6] - 59:20, 64:22, 64:24, 65:1, 72:1, 96:9
remind ^[1] - 117:18
remote ^[2] - 33:13, 34:24
remotely ^[1] - 34:19
remove ^[1] - 75:4
removed ^[5] - 15:23, 16:3, 16:14, 16:15, 24:11
render ^[1] - 89:9
renew ^[1] - 115:15
reopen ^[2] - 91:2, 91:14
repeated ^[2] - 23:5, 100:6
rephrase ^[1] - 125:8
rephrased ^[5] - 21:23, 21:24, 99:25, 100:2, 100:3
replacement ^[1] - 71:22
report ^[4] - 103:7, 106:14, 117:4, 118:18
REPORTED ^[1] - 1:22

reporter ^[3] - 52:14, 101:24, 128:11
REPORTER ^[1] - 128:4
Reporter ^[1] - 128:23
REPORTER'S ^[1] - 1:18
reports ^[3] - 101:15, 104:16, 106:13
represent ^[3] - 39:19, 44:9, 67:6
representation ^[2] - 13:21, 48:2
representations ^[2] - 15:18, 37:12
representative ^[4] - 6:24, 21:18, 26:22, 27:25
Representatives ^[1] - 68:16
representatives ^[2] - 73:12, 87:15
represented ^[7] - 11:12, 43:9, 46:21, 48:21, 48:22, 99:19
representing ^[4] - 26:24, 44:1, 66:16, 67:14
represents ^[7] - 25:23, 38:23, 40:2, 42:16, 44:18, 44:20, 112:10
request ^[23] - 7:10, 8:18, 8:23, 8:25, 25:18, 26:15, 27:13, 27:24, 28:1, 28:5, 28:10, 28:16, 28:19, 29:6, 29:9, 29:22, 49:4, 49:8, 91:2, 91:14, 92:14, 97:23, 122:4
requested ^[4] - 49:3, 98:5, 114:2, 127:3
requests ^[5] - 24:21, 24:25, 26:20, 27:17, 28:3
require ^[2] - 69:23, 117:3
required ^[2] - 58:9, 102:22
requires ^[3] - 30:15, 85:17, 108:19
research ^[1] - 71:14
reserve ^[1] - 22:18
resolved ^[1] - 124:8
respect ^[15] - 19:23, 19:25, 20:4, 25:1, 37:13, 57:9, 59:24, 62:18, 67:23, 82:13, 82:25, 83:25, 89:6, 92:7, 112:5

respective [1] - 73:12
respond [2] - 105:15, 116:6
response [4] - 29:22, 33:18, 75:23, 103:1
responses [1] - 26:19
responsibilities [2] - 17:2, 42:19
responsible [1] - 18:23
rest [7] - 82:2, 82:3, 85:19, 85:22, 88:12, 90:13, 118:9
rested [1] - 90:12
resting [1] - 87:20
result [2] - 15:22, 72:17
results [1] - 106:2
resume [5] - 7:23, 73:3, 73:13, 127:10, 127:11
retain [3] - 66:15, 67:6, 67:16
retained [9] - 66:12, 66:20, 66:25, 67:7, 67:10, 67:20, 67:22, 68:3, 68:4
retired [4] - 57:17, 57:18, 57:23, 77:12
retrieval [1] - 84:24
retrieve [1] - 92:22
return [1] - 87:3
returning [2] - 52:9, 52:10
review [12] - 30:12, 36:10, 51:15, 62:15, 73:24, 74:3, 75:1, 78:5, 78:14, 95:17, 96:3, 97:18
reviewed [9] - 62:4, 62:14, 83:24, 96:10, 96:11, 97:24, 99:20, 123:13, 123:15
reviewing [1] - 41:18
reviews [2] - 45:21, 66:22
revisit [1] - 79:22
rewritings [1] - 56:2
Reyes [1] - 78:21
Richard [2] - 57:23, 58:21
rights [1] - 47:9
RMR [2] - 1:23, 128:22
robin [1] - 70:6
RODRIGUEZ [2] - 4:17, 6:16
Rodriguez [2] - 2:8, 4:18
Roger [1] - 59:2
role [2] - 48:25

ROM [3] - 26:4, 27:15, 97:22
room [3] - 13:21, 91:22, 95:4
Rosa [2] - 2:16, 5:10
rotating [1] - 70:13
roughly [3] - 57:2, 57:5, 77:14
round [1] - 70:6
rudimentary [2] - 79:25, 108:15
Rue [1] - 5:9
rug [1] - 89:24
rule [3] - 91:23, 91:24, 119:24
Rule [1] - 85:18
Rules [1] - 92:4
rules [8] - 51:11, 70:17, 92:7, 117:12, 119:4, 119:5, 119:6, 119:8
ruling [5] - 80:23, 81:8, 81:17, 92:7, 92:8
run [2] - 104:16, 106:13

S

S-P-E-C-K-I-N [1] - 54:4
SAFDE [1] - 60:24
SAFs [1] - 61:1
sake [1] - 101:23
sample [1] - 63:24
samples [1] - 78:15
sat [1] - 121:11
satisfied [1] - 64:25
save [1] - 86:20
saved [1] - 90:3
savings [1] - 71:6
saw [5] - 13:11, 15:15, 39:18, 75:5, 95:22
scale [6] - 56:15, 60:4, 71:18, 74:23, 93:5, 94:5
scales [1] - 60:3
scanned [3] - 8:19, 93:22, 94:25
SCC [1] - 67:13
scene [2] - 54:12
schedule [2] - 61:19, 61:20
schools [1] - 54:25
Science [1] - 57:11
science [1] - 54:11
Sciences [1] - 60:20
scientific [4] - 59:24, 60:17, 61:15, 62:1
scope [4] - 105:20,

116:11, 126:11, 126:14
screen [4] - 74:15, 93:24, 113:3, 113:10
screens [1] - 95:24
se [2] - 58:7, 103:16
seal [1] - 7:6
search [1] - 114:11
searches [1] - 104:23
seat [4] - 5:24, 6:11, 12:19, 53:2
sec [1] - 72:23
second [11] - 5:18, 6:10, 45:18, 45:19, 79:6, 88:20, 100:13, 101:18, 124:8, 124:11, 126:21
secondly [1] - 100:10
seconds [16] - 45:19, 101:9, 104:19, 107:16, 114:10, 123:25, 124:1, 124:14, 124:15, 124:17, 124:18, 124:21, 124:24, 124:25, 125:1
Secretary [7] - 1:9, 4:24, 6:21, 35:10, 35:13, 92:3, 96:12
secretary [1] - 102:23
section [1] - 54:14
see [24] - 31:13, 40:10, 40:14, 45:21, 50:16, 51:22, 60:8, 67:4, 69:1, 69:7, 70:19, 72:6, 75:5, 84:15, 94:17, 94:22, 101:11, 101:16, 104:17, 104:18, 107:15, 110:20, 124:2, 127:4
selection [1] - 85:6
seminar [3] - 14:20, 90:6, 90:11
Senate [2] - 68:13, 68:16
sense [5] - 72:24, 94:2, 94:12, 104:23, 112:13
sentence [1] - 85:4
separate [1] - 117:16
serious [1] - 115:17
serve [1] - 15:7
service [3] - 35:13, 54:10, 71:12
Services [1] - 59:6
session [1] - 68:13
set [11] - 20:21, 21:6, 24:1, 33:15, 54:20, 84:21, 93:19, 93:21,

99:6, 108:7
setting [1] - 74:21
settings [1] - 72:8
seven [5] - 65:24, 86:18, 91:16, 120:17, 120:19
several [7] - 29:5, 33:14, 39:23, 78:8, 80:13, 115:5
shall [1] - 82:20
shared [2] - 25:17, 27:16
sharing [1] - 27:22
Shayna [2] - 2:12, 4:25
sheets [1] - 109:7
shelf [1] - 103:25
SHERMAN [1] - 2:11
Sherman [1] - 4:23
short [1] - 65:18
should've [2] - 80:7, 91:15
show [4] - 37:22, 44:1, 44:7, 58:24
showing [2] - 44:6, 99:11
shown [1] - 118:2
shows [3] - 40:18, 82:23, 84:17
sic [1] - 20:22
side [6] - 21:19, 53:10, 64:17, 88:1, 90:5, 118:16
sidebar [2] - 5:14, 5:15
sided [6] - 8:19, 9:21, 10:11, 11:10
sifting [2] - 81:9, 117:2
sign [2] - 70:5, 71:4
signaling [1] - 50:14
signature [67] - 13:8, 13:21, 15:19, 16:4, 17:25, 18:18, 18:19, 19:24, 19:25, 20:4, 20:10, 21:14, 30:9, 30:20, 30:23, 31:10, 33:2, 33:6, 33:16, 33:20, 34:2, 34:9, 35:20, 36:1, 39:19, 42:19, 44:23, 45:18, 45:19, 46:20, 46:22, 55:8, 55:13, 63:2, 70:4, 70:8, 72:10, 72:11, 72:14, 72:21, 74:7, 74:8, 75:14, 76:12, 78:6, 82:13, 84:1, 84:8, 84:9, 85:2, 85:12, 93:4, 93:10, 93:11, 94:1,

94:20, 95:7, 95:17, 96:4, 96:15, 98:16, 99:16, 114:5, 116:6
signatures [40] - 43:14, 44:25, 45:1, 45:22, 47:25, 56:11, 57:16, 62:4, 62:8, 69:23, 70:1, 70:3, 70:15, 70:16, 70:23, 71:14, 72:2, 72:10, 72:18, 73:24, 74:4, 74:11, 74:16, 75:2, 78:6, 79:2, 79:3, 79:7, 84:19, 84:20, 84:23, 93:5, 93:6, 94:3, 94:9, 94:19, 99:6
signed [3] - 70:9, 71:20, 72:2
significance [1] - 11:25
significant [1] - 8:21
signing [1] - 71:24
signs [1] - 70:7
similar [12] - 47:25, 60:13, 60:25, 74:20, 74:21, 77:23, 93:23, 100:23, 101:17, 102:3, 102:10, 103:12
similarities [2] - 84:15, 94:15
simple [1] - 108:14
simply [10] - 9:19, 13:7, 13:17, 21:7, 23:14, 26:13, 26:21, 32:10, 107:25, 114:4
single [1] - 62:9
sit [1] - 19:12
sitting [4] - 18:24, 34:18, 70:7, 94:24
situated [1] - 12:21
situations [1] - 80:6
six [2] - 56:16, 86:18
sixth [2] - 108:19, 108:21
skill [5] - 20:21, 21:5, 23:12, 24:1, 128:16
skill-wise [1] - 23:12
sky [1] - 33:23
slamming [1] - 71:1
slide [2] - 74:15, 74:18
slides [2] - 74:13, 75:4
slightly [1] - 66:3
slower [1] - 101:25
smotocol [1] - 34:14
so.. [5] - 7:2, 15:11, 49:17, 85:23, 107:6
Society [1] - 60:22
software [2] - 60:4,

- 104:8
soldier [1] - 27:4
solely [1] - 14:1
someone [18] - 17:20, 35:3, 38:20, 56:12, 60:18, 66:23, 66:24, 74:6, 74:24, 75:16, 95:11, 96:25, 98:20, 100:10, 101:11, 108:13, 115:16, 116:8
sometimes [2] - 72:16, 72:18
somewhere [1] - 28:23
soon [3] - 8:24, 12:22, 27:25
sorry [15] - 10:21, 22:25, 40:4, 41:5, 41:6, 46:8, 51:3, 52:8, 88:19, 102:1, 105:21, 114:13, 124:23, 126:7
sort [6] - 67:1, 69:22, 71:25, 101:3, 105:25, 122:8
sorted [3] - 105:16, 106:12, 107:25
sorting [8] - 18:25, 19:5, 105:10, 106:21, 107:6, 108:2, 126:24
sound [1] - 49:2
sounds [4] - 39:4, 79:12, 98:20, 106:24
Southwestern [1] - 60:23
speaking [6] - 26:3, 60:16, 69:15, 75:21, 81:16, 81:18
speaks [1] - 69:8
special [2] - 18:21, 108:20
specialties [1] - 61:5
specific [13] - 15:18, 31:5, 37:22, 39:12, 51:11, 62:16, 63:6, 65:5, 82:16, 95:9, 100:7, 101:3, 105:15
specifically [8] - 30:10, 31:6, 42:10, 61:13, 62:23, 63:7, 78:9, 95:8
specifics [2] - 26:9, 49:3
Speckin [31] - 52:6, 52:21, 52:22, 53:1, 53:24, 54:3, 54:4, 54:5, 54:6, 54:9, 54:16, 55:18, 56:18, 56:22, 57:15, 72:20, 73:13, 73:22, 78:4, 79:18, 82:12, 83:24, 85:11, 93:3, 99:24, 101:19, 107:11, 113:20, 121:7, 123:23, 127:12
SPECKIN [2] - 3:5, 53:17
spectrum [2] - 69:7, 79:17
speculation [1] - 46:17
speed [5] - 84:17, 100:6, 101:2, 114:6, 115:12
spent [2] - 84:11, 91:3
spoken [1] - 6:23
spousal [2] - 126:3, 126:6
spreading [1] - 66:8
spreadsheet [8] - 102:4, 102:23, 103:6, 103:14, 105:14, 106:24, 116:8, 122:9
spring [1] - 14:6
staff [4] - 33:14, 51:15, 59:14, 93:21
stamp [3] - 20:24, 21:1, 124:7
stand [5] - 12:15, 19:1, 65:21, 73:14, 92:18
standalone [1] - 120:6
standard [4] - 33:15, 33:22, 103:25, 108:16
standards [3] - 26:1, 36:10, 43:13
standpoint [1] - 87:21
stands [1] - 8:20
start [3] - 30:2, 41:8, 102:8
started [10] - 7:23, 47:16, 56:20, 70:25, 71:1, 108:24, 112:25, 115:10, 124:16, 124:19
starting [1] - 65:6
STATE [1] - 128:8
State [9] - 1:9, 4:24, 6:21, 35:13, 57:12, 57:17, 66:8, 96:12, 111:24
state [7] - 10:7, 54:1, 58:8, 58:9, 68:15, 117:22, 128:12
State's [4] - 22:15, 35:10, 92:4, 111:3
statement [8] - 16:12, 17:5, 17:12, 17:14, 17:18, 17:20, 24:3, 87:8
statements [1] - 101:4
States [4] - 27:3, 55:3, 64:11, 65:18
states [10] - 58:10, 65:15, 65:23, 65:25, 66:2, 66:4, 66:9, 67:12, 71:15
stating [2] - 11:16, 17:1
statistical [18] - 102:15, 103:3, 103:16, 105:3, 105:5, 105:8, 105:11, 105:19, 106:10, 106:25, 107:4, 108:4, 108:6, 112:4, 126:13, 126:22, 127:5
statistically [1] - 106:16
statistician [4] - 106:3, 108:9, 116:4, 116:5
statistics [9] - 41:19, 41:21, 41:22, 41:23, 102:15, 108:12, 108:15, 122:6, 122:17
status [1] - 94:20
statute [3] - 78:15, 82:16, 85:4
stenographic [1] - 128:15
step [3] - 12:5, 75:7, 81:13
stick [1] - 50:1
still [7] - 11:21, 20:10, 61:24, 67:5, 69:16, 114:16, 115:15
stipulate [2] - 9:19, 122:22
stipulates [1] - 122:24
stood [2] - 27:3, 106:8
stop [1] - 19:7
stopped [1] - 90:16
store [1] - 58:13
story [1] - 118:6
strategy [1] - 89:22
stream [2] - 5:17, 119:3
streamed [1] - 117:19
strike [6] - 58:22, 62:18, 65:11, 102:17, 105:6, 107:11
stroke [4] - 96:25, 98:3, 107:17, 114:3
strokes [10] - 38:24, 99:3, 100:22, 101:10, 107:15, 114:5, 115:9, 121:25, 126:25, 127:1
struggling [1] - 26:20
Stuart [2] - 2:12, 4:25
student [1] - 108:16
study [2] - 66:1, 83:7
stuff [1] - 27:2
stumps [1] - 65:20
subject [6] - 68:8, 68:24, 83:14, 83:17, 103:14, 116:22
subjects [1] - 126:15
submission [1] - 65:19
submit [1] - 109:4
submitted [2] - 49:7, 109:9
submitter [2] - 62:6, 62:9
subsequent [1] - 99:13
substance [2] - 12:3, 91:7
substantially [1] - 74:21
substantive [3] - 44:2, 88:7, 94:6
subsumed [1] - 55:8
subtraction [1] - 124:22
successive [1] - 99:3
sufficient [1] - 96:24
suggest [1] - 109:20
Suite [1] - 104:5
sum [1] - 108:9
summarize [1] - 116:12
summary [3] - 8:21, 112:12, 113:24
super [1] - 108:13
Superior [1] - 128:11
SUPERIOR [1] - 1:1
supermarket [1] - 71:3
supervisor [2] - 77:1, 77:3
supplement [1] - 62:16
suppose [1] - 37:6
supposed [1] - 111:20
surrounding [2] - 66:2, 66:4
sustain [2] - 30:5, 42:24
sustained [2] - 36:6, 39:22
swing [1] - 53:7
switch [2] - 30:8, 71:12
sworn [4] - 52:23, 52:25, 53:18, 62:24
synced [1] - 100:13
system [7] - 32:22, 33:19, 49:23, 79:20, 94:18, 96:16, 105:18
systems [1] - 33:24
-
- ## T
-
- table** [3] - 70:7, 113:24, 121:14
tables [1] - 41:18
tabs [1] - 105:25
task [6] - 18:20, 19:12, 20:13, 20:20, 23:25, 94:10
tasked [1] - 70:22
tasks [2] - 18:10, 18:21
teacher [1] - 8:4
teaching [2] - 90:6, 90:11
tear [1] - 8:3
technical [2] - 20:21, 108:13
technicality [1] - 11:7
technically [3] - 33:25, 125:7, 125:8
technique [1] - 64:2
technologies [1] - 61:6
technology [2] - 15:21, 93:20
television [1] - 113:10
Tellez [1] - 2:15
temporary [2] - 19:23, 34:23
tendency [1] - 101:19
term [4] - 77:3, 90:15, 105:8, 125:16
terminal [2] - 94:24, 98:8
terminology [1] - 83:20
terms [11] - 15:9, 60:9, 70:9, 75:14, 81:25, 95:3, 103:8, 116:18, 121:25, 124:22, 124:24
terrible [1] - 64:15
test [1] - 108:16
tested [4] - 59:9, 59:10, 59:11, 59:13
testified [25] - 15:20, 17:8, 23:9, 38:7, 48:20, 56:17, 62:17,

62:19, 63:13, 65:4, 65:22, 68:7, 68:12, 68:14, 69:4, 69:5, 69:8, 73:23, 76:14, 80:13, 104:14, 106:22, 118:2, 119:24, 121:7	27:1, 28:12, 28:22, 28:25, 29:4, 29:13, 30:5, 30:25, 31:3, 31:13, 31:18, 32:4, 32:6, 32:12, 32:15, 32:18, 32:25, 33:7, 33:10, 33:12, 35:22, 36:3, 36:6, 36:19, 36:24, 37:1, 38:1, 38:4, 38:8, 38:12, 38:17, 38:19, 39:4, 39:11, 39:22, 40:3, 40:5, 40:8, 40:21, 40:25, 41:11, 42:9, 42:24, 43:11, 43:19, 44:7, 44:15, 45:5, 45:11, 47:10, 47:13, 47:18, 47:22, 48:9, 48:13, 48:18, 49:17, 49:20, 50:5, 50:11, 50:21, 50:23, 51:4, 51:10, 51:14, 51:21, 52:7, 52:9, 52:11, 52:18, 52:22, 53:1, 53:6, 53:8, 53:14, 54:16, 54:18, 54:20, 72:23, 73:9, 73:18, 77:20, 77:25, 78:19, 79:14, 80:22, 81:16, 81:24, 82:6, 82:10, 83:10, 85:14, 85:16, 86:3, 86:13, 86:20, 86:24, 87:2, 87:10, 88:9, 88:17, 88:20, 89:3, 89:5, 90:13, 90:18, 90:25, 91:10, 91:12, 91:19, 91:21, 92:1, 92:11, 92:16, 92:24, 97:7, 97:10, 97:16, 99:23, 100:4, 101:18, 101:21, 101:23, 102:1, 102:18, 102:20, 103:1, 103:5, 103:18, 103:21, 105:7, 105:13, 106:4, 106:9, 106:19, 107:2, 108:25, 109:6, 109:11, 109:14, 109:20, 110:2, 110:7, 110:11, 110:14, 110:18, 110:22, 110:25, 111:9, 111:19, 112:8, 112:18, 112:25, 113:4, 113:8, 113:11, 113:15, 114:19, 114:25, 115:13, 116:12, 117:20,	118:8, 119:15, 119:20, 120:2, 120:4, 120:8, 120:15, 120:25, 122:7, 122:12, 122:14, 122:19, 122:25, 123:12, 123:16, 123:19, 125:5, 125:7, 126:17	103:23, 103:25	115:22, 120:18
testifies [1] - 53:19	therefore [2] - 83:7, 105:13	top [5] - 72:7, 74:9, 74:10, 74:16, 123:24		tunnel [1] - 101:24
testify [15] - 26:7, 26:18, 63:1, 79:8, 79:11, 81:3, 84:4, 85:12, 89:17, 105:25, 106:1, 116:6, 117:4, 118:11, 119:11	therein [1] - 26:5	tort [3] - 71:19, 72:7, 73:25		turn [4] - 6:9, 7:25, 36:12, 90:19
testifying [12] - 14:24, 21:4, 30:19, 32:1, 32:2, 39:5, 48:11, 80:20, 114:14, 123:23, 126:8, 126:9	thereof [1] - 55:11	total [1] - 113:25		turnout [2] - 41:23, 42:3
testimony [28] - 8:15, 11:22, 16:25, 17:6, 19:4, 32:10, 62:24, 63:17, 64:11, 65:13, 65:23, 66:1, 66:13, 67:24, 69:7, 76:19, 78:9, 79:17, 80:4, 80:19, 102:17, 105:2, 105:5, 107:1, 112:4, 114:17, 116:23, 127:6	they've [2] - 75:20, 97:2	totality [1] - 26:14		two [26] - 8:19, 9:21, 10:11, 11:10, 12:9, 18:25, 54:24, 55:5, 57:14, 58:2, 58:18, 59:20, 68:17, 72:15, 74:10, 75:18, 84:15, 85:9, 94:3, 94:17, 98:8, 98:14, 100:5, 100:8, 116:18
testing [6] - 57:1, 59:4, 59:5, 59:7, 59:15, 59:17	thinking [2] - 43:21, 86:2	totals [1] - 8:21		two-copy [1] - 10:11
Testing [1] - 59:6	third [1] - 79:8	touch [2] - 66:5, 66:6		two-sided [3] - 8:19, 9:21, 11:10
tests [4] - 58:23, 58:24, 59:12, 59:13	thirty [1] - 65:24	toxicology [1] - 54:14		two-year [1] - 57:14
Texas [1] - 66:6	thirty-seven [1] - 65:24	track [4] - 62:6, 120:21, 121:2, 127:9		type [7] - 62:2, 63:8, 67:20, 73:24, 89:23, 104:19, 121:18
text [1] - 121:23	Thomas [2] - 2:14, 5:2	train [2] - 35:14, 75:13		types [2] - 61:16, 76:21
THE [248] - 1:1, 1:2, 1:19, 4:6, 4:13, 4:16, 4:19, 5:7, 5:11, 5:24, 6:6, 6:10, 6:14, 6:20, 7:3, 7:11, 7:13, 7:18, 7:20, 8:2, 8:9, 9:3, 9:11, 9:18, 9:25, 10:2, 10:8, 10:17, 11:4, 11:24, 12:12, 13:14, 13:23, 14:9, 14:17, 15:6, 15:13, 16:5, 16:10, 16:17, 17:10, 17:15, 17:18, 19:7, 19:10, 20:3, 20:4, 21:12, 21:16, 22:6, 22:8, 22:10, 22:24, 23:4, 23:6, 23:19, 23:22, 24:9, 24:17, 25:2, 25:5, 25:9, 25:12, 25:13, 25:25, 26:12, 26:16,	THOMPSON [1] - 1:19	trained [7] - 57:18, 57:24, 75:15, 76:4, 76:6, 77:5, 95:10		typically [7] - 72:13, 74:3, 75:8, 93:8, 94:8, 102:5, 104:17
	thousand [1] - 102:9	training [24] - 35:10, 35:20, 36:2, 57:7, 57:14, 57:22, 58:19, 62:13, 62:16, 67:10, 74:25, 75:17, 75:18, 75:20, 75:21, 76:11, 83:5, 85:18, 95:11, 96:2, 96:3, 96:10, 96:12		
	thousands [3] - 69:8, 102:8, 102:9	TRANSCRIPT [1] - 1:18		
	threatening [1] - 66:24	transcript [1] - 128:14		
	threats [1] - 67:4	transferred [1] - 15:23		
	three [5] - 56:21, 65:18, 72:15, 74:10	transposed [2] - 48:1, 111:17		
	threw [1] - 64:20	trays [1] - 19:20		
	throughout [2] - 68:21, 82:3	trend [1] - 100:9		
	thrown [1] - 63:16	triage [2] - 75:1, 75:11		
	thumb's [1] - 8:5	trial [13] - 14:7, 79:13, 80:8, 80:9, 80:12, 80:24, 81:6, 81:8, 82:3, 111:21, 113:5, 117:15		
	ticket [1] - 49:7	TRIAL [1] - 1:19		
	timestamp [3] - 16:12, 83:25, 100:20	trials [4] - 62:22, 62:24, 118:24		
	timing [1] - 47:25	tried [1] - 81:7		
	title [1] - 55:6	trier [1] - 48:10		
	titled [1] - 37:3	true [5] - 27:1, 82:2, 123:3, 126:9, 128:14		
	toaster [1] - 71:7	truly [1] - 80:23		
	today [12] - 32:21, 37:10, 55:23, 62:21, 76:14, 78:9, 79:9, 79:11, 82:2, 96:19, 98:18, 101:22	trust [1] - 21:1		
	today's [1] - 8:15	truth [4] - 25:9, 118:23, 120:10, 120:11		
	together [4] - 68:14, 70:6, 104:16, 116:8	truthful [1] - 10:14		
	tomb [1] - 27:4	try [4] - 50:12, 61:11, 74:24, 119:7		
	ton [1] - 76:8	trying [16] - 13:6, 13:17, 21:7, 22:3, 27:8, 31:21, 31:23, 34:5, 40:23, 44:3, 89:21, 91:13,		
	toners [1] - 61:6			
	took [4] - 51:18, 73:22, 91:17, 101:11			
	tool [5] - 24:1, 54:13, 101:13, 102:10, 115:5			
	tools [3] - 93:20,			

U

U.S [5] - 67:11, 67:14,
67:15, 67:18, 67:20

ultimate [1] - 47:7

unaware [1] - 29:20

under [13] - 12:18,
49:7, 54:24, 55:5,
55:6, 58:10, 82:18,
82:22, 85:18, 92:4,
107:24, 112:9,
121:17

underestimated [1] -
103:11

undergo [1] - 59:4

undergone [2] -
58:19, 75:17

underlying [2] -
115:18, 118:4

undermine [1] -
118:18

underneath [1] -
89:25

underpinnings [1] -
115:25

understated [1] -
103:11

understood [19] -
11:24, 15:12, 16:16,
21:22, 27:19, 30:4,
31:2, 31:14, 43:3,
46:7, 48:8, 48:12,

48:17, 86:9, 95:3,
99:23, 106:18,
111:15, 125:9
unfortunately [1] -
116:16
unfounded [2] - 22:9,
22:10
unique [3] - 10:19,
15:13, 120:6
United [4] - 27:3, 55:3,
64:11, 65:18
University [1] - 57:12
unknown [1] - 27:4
unless [3] - 82:5,
109:15, 116:25
unlimited [1] - 101:15
unusual [1] - 118:9
up [28] - 8:3, 8:5,
12:19, 13:6, 46:5,
50:8, 50:9, 50:11,
54:19, 59:21, 65:7,
66:8, 74:15, 79:16,
80:5, 81:13, 88:24,
90:6, 92:18, 93:19,
93:21, 98:3, 106:8,
108:9, 110:9, 113:2,
119:16, 125:2
updated [1] - 71:25
upload [1] - 115:20
uploaded [1] - 115:20
upmost [1] - 117:15
ups [1] - 45:16
usage [1] - 103:25
user [26] - 17:24,
37:13, 37:23, 38:9,
38:10, 38:24, 38:25,
39:17, 40:2, 42:17,
43:8, 45:14, 45:21,
46:21, 93:24, 100:6,
100:11, 100:19,
101:1, 104:18,
113:25, 115:7,
125:17, 125:19
User [1] - 37:3
users [5] - 85:8,
101:2, 104:19,
107:19, 107:20
uses [1] - 64:3

V

vacated [1] - 64:8
vague [1] - 99:22
VALENZUELA [1] -
3:3
Valenzuela [29] -
12:15, 12:16, 12:17,
13:19, 15:20, 16:1,
21:21, 22:16, 22:25,
23:9, 24:24, 25:7,

25:11, 29:3, 29:19,
33:11, 34:5, 34:7,
37:6, 39:17, 41:13,
42:15, 44:14, 45:6,
51:24, 75:24, 76:14,
95:18, 103:6
Valenzuela's [1] -
103:11
valleys [4] - 45:16,
45:17, 45:21, 45:25
value [2] - 41:3, 93:16
variables [3] - 39:13,
78:12, 82:13
various [5] - 61:8,
61:15, 62:1, 83:19,
127:2
venues [1] - 65:3
verification [45] -
13:8, 13:21, 15:19,
16:4, 18:18, 18:20,
19:24, 20:5, 20:10,
21:14, 30:9, 30:20,
30:23, 31:11, 33:2,
33:16, 33:20, 34:2,
34:9, 35:20, 36:1,
38:24, 39:20, 42:19,
44:23, 46:20, 46:22,
55:8, 55:13, 63:2,
72:21, 75:14, 76:12,
78:7, 82:14, 84:1,
85:13, 94:20, 95:7,
96:5, 96:15, 99:16,
114:3, 116:7, 123:24
verifications [6] -
33:6, 113:25, 114:7,
115:9, 123:25,
125:22
verified [1] - 126:1
verifier [2] - 18:1, 84:8
verify [1] - 94:19
verifying [2] - 93:3,
93:5
version [2] - 109:2,
123:8
versus [9] - 4:7, 11:10,
64:12, 73:10, 87:13,
93:5, 126:2, 126:5
vice [3] - 2:2, 92:5,
117:11
video [12] - 13:7,
13:11, 13:17, 17:24,
20:23, 20:25, 37:23,
39:18, 95:20, 99:14,
100:13, 113:1
videos [5] - 13:12,
13:13, 13:16, 95:21,
95:23
view [1] - 91:17
Virgin [1] - 65:19
visit [1] - 6:1

voir [1] - 89:2
voluminous [1] -
121:18
vote [1] - 93:16
voted [1] - 70:1
voter [5] - 19:17,
71:15, 78:6, 84:10,
100:19
voters [1] - 71:15
voting [2] - 41:23,
82:19
vs [1] - 1:7

W

wait [15] - 17:10,
22:11, 31:13, 38:8,
42:9, 50:19, 88:9,
88:17, 89:3, 101:18,
127:5
waive [1] - 120:1
waived [2] - 87:16,
120:2
walking [2] - 19:1,
29:13
wall [1] - 66:25
wants [1] - 7:8
wash [1] - 81:4
wash-over [1] - 81:4
Washington [1] - 66:8
watching [2] - 117:23,
118:7
water [1] - 54:17
website [1] - 33:4
week [1] - 56:16
weight [1] - 116:25
whatsoever [1] -
102:14
whistleblower [1] -
17:7
white [2] - 40:15,
123:7
whoa [4] - 24:17
whole [2] - 100:5,
109:17
wholesale [1] - 81:9
wife [1] - 56:15
wildlife [1] - 67:19
William [1] - 76:5
willing [3] - 86:18,
86:24
willingness [1] - 81:25
wise [2] - 23:12
wish [5] - 8:10, 16:22,
50:1, 50:12, 50:15
withdraw [3] - 22:23,
65:9, 125:6
witness [64] - 3:2,
10:25, 14:7, 14:13,
14:23, 16:25, 17:11,
17:21, 21:18, 25:21,
26:1, 31:24, 32:9,
38:2, 38:7, 38:20,
40:12, 40:19, 42:7,
47:2, 47:19, 48:4,
48:11, 49:25, 50:4,
50:15, 50:19, 52:2,
52:3, 52:15, 52:25,
62:17, 62:20, 65:21,
86:11, 87:20, 88:4,
88:6, 89:2, 89:16,
90:9, 90:14, 90:16,
92:15, 97:11,
102:15, 103:13,
105:15, 112:6,
112:13, 112:15,
112:16, 112:22,
113:7, 114:14,
116:3, 116:22,
119:11, 119:15,
119:16, 119:23
WITNESS [11] - 20:4,
23:4, 23:22, 25:12,
29:4, 33:12, 45:11,
54:18, 100:4,
101:21, 102:1
witness' [2] - 17:12,
48:3
witnesses [11] - 17:8,
22:19, 37:11, 76:14,
80:19, 81:8, 88:13,
95:17, 116:19,
118:10, 120:24
wizard [1] - 104:21
wonderful [1] - 110:14
word [7] - 28:25, 36:6,
74:25, 85:1, 98:17,
98:18, 99:1
Word [1] - 102:24
words [7] - 11:10,
14:20, 61:5, 98:15,
99:5, 100:25, 106:13
workday [1] - 58:16
worker [4] - 94:20,
94:22, 115:7, 125:15
workers [7] - 19:23,
46:20, 76:12, 78:7,
84:1, 85:13, 96:5
works [1] - 70:15
workshops [18] -
59:23, 60:1, 60:11,
60:14, 60:21, 60:22,
60:25, 61:3, 61:4,
61:5, 61:7, 61:9,
61:13, 61:16, 61:18,
62:1, 76:24, 83:19
workstation [1] -
38:25
workstations [2] -
34:21, 34:25

world [2] - 60:4, 75:6
would've [6] - 20:13,
20:15, 75:15, 80:7,
103:24, 124:16
write [4] - 56:12,
64:16, 66:23, 66:24
writing [1] - 14:23
written [4] - 6:7,
64:18, 64:21, 112:11

Y

year [4] - 57:14, 57:22,
59:20, 75:18
years [8] - 56:8, 56:19,
56:21, 59:1, 59:20,
64:23, 122:2, 122:9
yes-or-a-no-
question [1] - 33:8
yes-or-no [2] - 25:2,
25:6
yes-or-no-answer [1]
- 34:7
yesterday [25] - 5:16,
5:25, 12:14, 13:11,
15:8, 15:17, 16:25,
17:24, 30:11, 30:25,
31:3, 32:19, 36:9,
47:23, 48:16, 49:21,
76:14, 78:9, 81:25,
93:15, 94:14, 95:2,
95:18, 99:17, 104:14
younger [1] - 76:7
yourself [5] - 21:7,
23:15, 91:4, 95:6,
121:10

Z

zero [5] - 116:24,
124:13, 124:14,
124:16, 124:18